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" and WILLIAMS, G. Y.

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" and BIESTER, ALICE
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WHITE, E. A.
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WOOLBERT, C. H.
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" What Can We Do to Improve the Teaching of Oral English in our High Schools? Bul. Ill. Assn. of Teachers of Eng., Urbana, 6:7. (3400)
YENSEN, T. D.
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ZEITLIN, JACOB
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" On the Parts of Speech: The Noun. Eng. J., Chicago, 3:3:137-45. (2500)

UNIVERSITY OF ILLINOIS
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION

UNIVERSITY OF ILLINOIS

MAY 1, 1914-APRIL 30, 1915

The publications of the faculty of the University of Illinois during the year ended April 30, 1915, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ALVORD, C. W.

(1) Book notices:

The Letters of Richard Henry Lee, by James Curtis Ballagh. Miss. Val. Hist. Rev., 1:586-587. (300)

" A Confederate Girl's Diary, by Sarah Morgan Dawson. *Ibid.*, 1:150. (400)

" Calendar of the Papers of John Jordan Chittenden, prepared by C. N. Feamster. *Ibid.*, 1:317. (250)

" Histoire du Canada, by François-Xavier Garneau. *Ibid.*, 1:300-301. (650)

" Cyclopedia of American Government, edited by Andrew C. McLaughlin and Albert Bushnell Hart. *Ibid.*, 1:450-453. (1300)

" Voyage aux États-Unis de L'Amérique, 1793-1798, by Moreau de Saint-Méry. *Ibid.*, 1:122-123. (350)

(3) Articles:

" The Relation of the State to Historical Work. Minn. Hist. Bul., 1:1:3-25. (3300)

" A Critical Analysis of the Work of Reuben Gold Thwaites. Proc. Miss. Val. Hist. Assn., 7:321-333. (9000)

(4) Books:

" Illinois Wabash Land Company Manuscript. With an introduction by C. W. Alvord. Privately printed by Cyrus H. McCormick, Chicago, 1915. pp. ix, 40.

ABBITT, H. E.

(3) Articles:

" What a City Can Afford. Proc., Ill. Soc. Eng. & Survey, 1915. (1000)

" Wash Water Salvage at Champaign and Urbana. Proc., Am. Wtr. Wks. Assn., 1915.

ABCOCK, K. C.

(3) Articles:

A Comprehensive Interpretation of the College Credit Requirement. (a) One year; (b) Two years. Proc., 24th Ann. Meet. Assn. Am. Med. Colleges. 20-28.

" Arizona; Boards of Education; Bureau of Education; Education of Women; State Superintendents of Education; Technical Education. In Cyclopedia of American Government. (Ed. by Hart and McLaughlin.) Vol. I.

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(3) Articles:

" Nevada; New Mexico; Pensions for Teachers. *Ibid.*, Vol. II.

" School finance; State School Funds; School Property; Medical I spection of Schools; Night Schools; Open Air Schools; Summ Schools; Superintendents of Schools; Trade Schools. *Ibi* Vol. III.

(4) Books:

" The Scandinavian Element in the United States. Univ. of Ill. Stud in the Social Sciences, 3:3. Urbana, 1914. pp. 223.

BAGLEY, W. C.

(1) Book notices:

School Hygiene, by F. B. Dresslar. J. Educ. Psych., 5:6:360. (250

" Plant Life and Plant Uses, by J. G. Coulter. *Ibid.*, 6:2:119. (200)

" Concrete Investigation of English Spelling, by W. F. Jones. (B Univ. of S. D.) *Ibid.*, 5:8:471. (750)

" The Mental Man, by G. G. Wenzlaff. *Ibid.*, 5:6:358. (600)

" Psychology as Applied to Education, by P. M. Magnusson. *Ibi* 5:6:359. (600)

(2) Original Reviews:

" Formal English Grammar as a Mental Discipline, by T. H. Brigg J. Educa. Psych., 5:9:538. (1200)

(3) Articles:

" Introduction to F. H. Hayward's The Lesson in Appreciation, and the "Modern Teachers' Series." Macmillan. New York, 19 (1200)

" Minimal Essentials in Elementary Geography and History. 14th Y Bk., Nat. Soc. for the Study of Educa. Chicago, 1915. (5000)

" Principles Justifying Common Elements in the School Progra Proc., Univ. of Ill. H. S. Conf., 1914. (Also publ. in Sch. a Home Educa., 34:4:119.) (7000)

" The Place of the "Informal" Subjects in the School Program. *Ibi* 34:3:87. (2000)

" Professor Judd's Criticism of the Eight-Year Elementary Curricul *Ibid.*, 34:3:212. (2500)

" The "Six-Six" Plan. *Ibid.*, 34:1:3; 34:3:79. (2000)

" The Wheedling Theory of School Discipline. Pub. Schools (Denv Colo.), 1:2:5. (1000)

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" The Social Achievements of the American Public School. *Ibid.* (150

" Educational Values. Proc., Pa. Educa. Assn., 1914. (6000)

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(3) Articles:

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" Selecting the Surface of an Improved Road. Proc., Good Roads Conv., Ann Arbor, Mich., Feb. 17. (4100)

" Importance of the Municipal Engineer in an Efficient City Administration. Proc., Ill. Munic. League, Univ. of Ill. Bul., 12:24. (3000)

BALDWIN, E. C.

(1) Book notices:

Milton's Knowledge of Music: its Sources and Significance. J. Engl. and Ger. Philol., 14:2:310-312. (500)

(3) Articles:

" Judaism and Modern Ideals. B'nai B'rith News, 7:2. (5000)

" A Suggestion for Composition Work—the oral story. Bul. Ill. Assn. Teachers of English, 7:11. (500)

" A Neglected Aspect of Our Modern Dept to Israel. Homiletic R., 69:3. (1800)

" Prayer, Ancient and Modern. *Ibid.*, 69:4. (2000)

" The Character in Restoration Comedy. Pub., Mod. Lang. Assn. of Am., 30:1. (4600)

" The Permanent Elements in the Hebrew Law. Int. J. of Ethics, 25:3. (3000)

" The November Meeting. Bul. Ill. Assn. Teachers of Eng., 7:5. (1300)

BALKE, C. W., with SEARS, G. W.

(3) Articles:

The Atomic Weight of Tantalum. J. Am. Chem. Soc., 37:833. (5000)

BALL, T. R., and SMITH, G. McP.

(3) Articles:

The Volumitus Estimation of Titanium by Means of Ferric Chloride. J. Am. Chem. Soc. 36, 1838. (1500)

BARTOW, EDWARD

(3) Articles:

" Laboratory Control of Water Supplies. J. Am. Wtr. Wks. Assn., 1:720. (950)

" Possibilities of a Municipal Laboratory. Ill. St. Med. J., 26:577. (1000)

" Observations of Some European Water Purification and Sewage Disposal Plants. J. Am. Wtr. Wks. Assn., 2:13. (3500)

" Examination of Drinking Water on Railway Trains. J. Am. Wtr. Wks. Assn., 2:74. (3000)

" Purification of Sewage by Aeration in the presence of Activated Sludge. J. Ind. and Eng. Chem., 7:318; Eng. Rec., 71:421; Eng. News, 73:647; Eng. and Contr., 43:310; Munic. J., 38:504. (2000)

BARTOW, EDWARD

" and ALVORD, J. W.
Sanitary Policy for Racine, Wis. Munic. J., 37:740. (940)

(4) Books:

" Water Survey Report for 1913. Univ. of Ill. Bul., Wtr. Surv. Series No. 11. pp. 478.

BENTLEY, MADISON

(2) Original Reviews:
Sensation, General. Psychol. Bul., xii, 1915, No. 3, 100-102.

(3) Articles:
The Study of Dreams: A Method Adapted to the Seminary. Am. J. of Psychol., xxvi, 1915, No. 2, pp. 196-210.

" with RUCKMICH, C. A.
Psychic Research, Psychology and Psychotherapy. The New International Yr. Bk., N. Y., 1915, pp. 579-585. (3500)

BEVIER, ISABEL

(1) Book notices:
Elementary Household Chemistry, by John F. Snell. J. Am. Chem. Soc., Nov., 1914. (500)

" Food Products, by Henry C. Sherman. Sci., Jan. 22, 1915. (500)

(3) Articles:

" The New Housekeeping. Series of ten art. in The Woman's World, 1914-15.

" The Planning of Meals. Univ. of Ill. Bul., 11:32:1-23.

BLOOMFIELD, LEONARD

(2) Original Reviews:

" Kultur, Ausbreitung und Herkunft der Indogermanen, by Feist. J. Engl. and Ger. Philol. 13:472-475. (1400)

(4) Books:

" Introduction to the Study of Language. Holt, New York, 1914, pp. vii, 331.

BODE, B. H.

(3) Articles:
The Psychological Doctrine of Focus and Margin. Philos. R., 23:389-409. (7500)

BOGART, E. L.

(1) Book notices:

" Social and Economic Forces in American History, by A. B. Hart. Am. Econ. R., 4:366. (250)

" The Mining Advance into the Inland Empire, by W. J. Trimble. *Ibid.*, 5:72-73. (500)

" Die Berufsvereine, by W. Kuleman. *Ibid.*, 5:96-98. (500)

BOGART, E. L.

" The Economic Utility of History, by H. W. Farnam. Miss. Val. Hist. Rev., 1:119-120. (400)

" Economic Determinism, by Lida Parce. *Ibid.*, 1:450-451. (350)

(3) Articles:

" Economic History of the United States. Cyclopedia of American Government. (Ed. by Hart and McLaughlin). 1:620-625. (4000)

(4) Books:

" Business Economics (rev. and enlarged ed.). LaSalle Exten. Univ., Chicago, 1915. pp. 200.

" and THOMPSON, C. M.

Exercise Book in the Economic History of the United States. Longmans, Green, New York, 1914. pp. 68.

BRODERSON, H. J.

(3) Articles:

' Anhydrous Hydrazine as a Solvent. J. Am. Chem. Soc., 37:816-825. (3000)

" and WELSH, W. B.

Chemical Reaction in Anhydrous Hydrazine. *Ibid.*, 37:825-833. (3000)

BROOKS, N. C.

(1) Book notices:

Recent Books on the Medieval Drama. J. Engl. and Ger. Philol., 12:612-614. (900)

(3) Articles:

" The Museum of European Culture of the University of Illinois. Proc., Am. Assn. of Museums, 8:120-124. (2000)

BROWN, J. C.

See COFFMAN, L. D.

BUCK, A. M.

(2) Original Reviews:

" Time Element in Controller Notching. Elec. Ry. J., 45:672. (900)

(3) Articles:

" Proportioning of railway motor resistances. *Ibid.*, 45:330-332. (2500)

BURGE, W. E.

(3) Articles:

" The Effect of Radiant Energy on the Lens and Humors of the Eye. Am. J. Physiol., 36:1.

" The Comparative Rate of Oxidation of Enzymes and their Corresponding Proenzymes. *Ibid.*, 36:4.

" Means by which parasites Resist the Action of the Digestive Enzymes in the Alimentary Tract. Am. J. Parasitol., 1:4.

" Effect on the Eye of Ultra-violet Light. Elec. World, 65:15.

BURGE, W. E.

" The means by which the eye protects itself against the harmful effect of ultra-violet in ordinary Light. Archiv. Ophthalmol., 44:5.

" The Comparative Rate at which Fluorescent and Nonfluorescent Bacteria are killed by Ultra-violet Light. J. Am. Med. Assn. 64:27.

" Reply to Verhoff's objection to my contention concerning the part played by ultra-violet in the production of cataract. *Ibid.*, 64:15.

BURNS, JOSEPHINE E.

(3) Articles:

" The Abstract Definitions of the Groups of Degree 8. Am. J. Math., 37:2:195-214. (8000)

CANTER, H. V.

(3) Articles:

" High School Equipment and Publications Helpful to Teachers of Latin and Ancient History. Univ. of Ill. Sch. of Educ. Bul., 13:133-138. (2500)

COFFEY, W. C.

(3) Articles:

" Proportion of Corn and Alfalfa Hay for Fattening Western Lambs. Univ. of Ill. Exper. Sta. Bul., 167:1-82.

" Corn Silage as a Sheep Feed. Am. Sheep Breeder and Wool Grower. 34:201-202. (3500)

" The Sheep-killing Dog Problem. Breeder's Gazette. 67:754. (750)

" Wether and Ewe Lambs in the Feed Lot. Natl. Wool Grower, 5:2:13-14. (1400)

" Should Fattening Lambs be Sheared? *Ibid.*, 5:4:11-13. 1500)

COFFMAN, L. D.

(1) Book notices

" Common Essentials in Spelling, by Studley and Ware. Chicago Nor. Sch., Cale, 1914. Educ. Adm. and Supervision. (200)

" Practice in the Case of Addition, by T. J. Kirby. Sch. and Home Educ., Oct., 1914. (2500)

" How New York City Administers Its Schools, by E. C. Moore. World Book Co., 1913. *Ibid.*, Jan., 1915. (150)

" School Reporting and the New Orleans Report. New Orleans, 1915. *Ibid.*, March, 1915. (500)

" Concrete Investigation of the Material of English Speaking, by W. Franklin Jones. *Ibid.*, April, 1915. (500)

" Report of the Survey of the School System of Butte, Mont. *Ibid.*, April, 1915. (500)

(3) Articles:

" The American School Superintendent. J. Educ. Adm. and Supervision. Jan., 1915. (6300)

COFFMAN, L. D.

" School Supervision: Its Nature and Scope. Sch. and Home Educ., Feb., 1915. (8000)

" Introduction to The Discipline of the School, by Frances Morehouse. Heath, Boston, 1914. (1700)

" Introduction to The High School, by John Stout. Heath, Boston, 1914. (900)

(4) Books:

" with BROWN, J. C.

How to Teach Arithmetic. Row, Peterson, Chicago, 1914. pp. vi, 373.

COLE, ARTHUR C.

(1) Book notices:

" Thomas Ritchie. A Study in Virginia Politics, by C. H. Ambler. Miss. Val. Hist. Rev., 297-299. (750)

" The Life of Robert Toombs, by U. B. Phillips. *Ibid.*, 1:150-152. (700)

" A Naval History of the American Revolution, by G. W. Allen. *Ibid.*, 1:292. (300)

" The Life and Letters of George Gordon Meade, by George Meade. *Ibid.*, 1:594. (400)

" Sanford's American History Maps, with Accompanying manual, by A. H. Sanford. *Ibid.*, 2:154-155. (500)

" Reviews in History Teacher's Magazine. 5:298; 6:159.

(3) Articles:

" The South and the Right of Secession in the Early Fifties. *Ibid.*, 1:376-399. (11,500)

(4) Books:

" The Whig Party in the South. Washington: Am. Hist. Assn.; London: Humphrey Milford, Oxford University Press, 1914, pp. xii, 392, accompanying maps.

CREEK, H. L.

(3) Articles:

The Author of "Havelok the Dane", Englische Studien, 48:193-212. (6500)

CUNNINGHAM, H. E.

(4) Books:

Report, Board of Trustees, 1914. State of Ill., Urbana, 1915, pp. 1297.

CURTIS, F. R.

(3) Articles:

The Collection of Social Survey Material. Inst. Q., Springfield, 5:75-83. (2000)

DANIELS, A. H.

(1) Book notices:

A Brief History of Modern Philosophy, by Harold Höffding. J. Engl. and Ger. Philol., 14:123-124. (400)

DAVIS, D. J.

(3) Articles:

" An Acid Fast Streptothrix. Arch. Int. Med., 14:1-7. (3500)

" Effect of Salicylates on Various Types of Experimental Arthritis. *Ibid.*, 15:555-557. (2000)

" The Growth and Viability of Streptococce of Bovine and Human Origin in Milk and Milk Products. J. Infectious Dis., 15:2:378-388. (5000)

" The Formation of Chlamydospores in Sporothrix Schenckii. *Ibid.*, 15:3:483-486. (1600)

" Epidemics of Septic Sore Throat in the United States and their Relation to Streptocicci. Sci., N. S., 40:717-721. (2400)

" Scurvy like Disease in Guinea Pigs. (With J. J. Moore). Trans. of Chi. Path. Soc., 9:5:1-4. (1200)

" and CAPPS, J. A.

" Experimental Bovine Mastetis produced with Hemolytic Streptococci of Human Origin. J. Infectious Dis., 15:1:135-140. (2400)

" The Relationship of Septic Sore Throat to Infected Milk. *Ibid.*, 15:1:130-134. (2000)

" An Epidemic of Streptoccus Sore Throat in Jacksonville, Illinois. Arch. Int. Med., 14:650-661. (5000)

DERICK, C. G.

(3) Articles:

A Sensitive Criterion of the Precision and of Constant Errors in the Conductance Data of Weak Electrolytes, The Determination of the Molar Conductance of Organic Electrolytes at Zero Concentration and a Study of the Correction for the Specific Conductance of the Conductivity of Water. J. Am. Chem. Soc., 36:2268-2283. (6000)

DETLEFSON, J. A.

(4) Books:

Genetic Studies on a Cavy Species Cross. Carnegie Inst. of Washington. Washington, D. C., 1914, pp. 134.

DIETRICH, WILLIAM and GRINDLEY, H. S.

(3) Articles:

Coefficients of Digestibility of Some Common Rations for Swine. Ill. Agric. Exp. Sta. Bul. 170, pp. 36.

DUNN, H. H.

(3) Articles:

The Tractive Resistance of a 28-Ton Electric Car. Eng. Exp. Sta. Bul., 74:11:33.

DURST, C. E.

(3) Articles:

" An Efficient and Practicable Method for Controlling Melon Lice. Ill. Agr. Exp. Sta. Bul. 174. (5500).

" Improved Methods in Market Gardening. Trans. Ill. State Soc. Hort., Vol. 48, New Series, pp. 252-261. (3000)

EDMONDS, J. L.

(3) Articles:

Community Effort in Draft Horse Breeding. Breeder's Gazette, 66:999. (1000)

EMCH, ARNOLD

(2) Original Reviews:

The Discovery of Inversion. Bul. Am. Math. Soc., 20:412-415.

" Die realistische Weltansicht und die Lehre com Raume, by E. Study. *Ibid.*, 21:250-252.

" Contributions á l'étude des courbes convex fermées, by Ch. Jordan and R. Fiedler. *Ibid.*, 21,252-253.

(3) Articles:

" On Some Geometric Properties of Corcular Transformations. Am. Math. M., 21:139-146.

" Goethe and Schopenhauer on Mathematics. Open Court, 27:521-528.

" On Some Properties of Closed Continuous Curves. Rendiconti del Circolo Matematico di Palermo. 38:180-184.

" On the Medians of a Closed Convex Polygon. Am. J. Math., 37:19-28.

EMMETT, A. D.

(3) Articles:

See MUMFORD, H. W.

See WILLIAMS, R. H.

ENGER, M. L.

(1) Book notices:

Dynamics, by Horace Lamb. Eng. Rec., 69:514. (400)

" Mechanics for Builders, by E. L. Bates. *Ibid.*, 69:569. (350)

" Aufgaben aus der Technischen Mechanik, by Von F. Wittenbauer. *Ibid.*, 69:684. (350)

" Technical Mechanics, by Edward Maurer. J. Wes. Soc. Eng., Oct., 1914. (350)

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(3) Articles:

Judging a Violin. Violinist, 17:3:17-18. (1000)

" The Value of Staccato-Bowing. *Ibid.*, 18:5:9-12. (1700)

MOSIER, J. G.

(3) Articles:

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" and GUSTAFSON, A. F.

Soil Moisture and Tillage for Corn. Ill. Agric. Exp. Sta. Bul. 181: 1-24.

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MUMFORD, H. W.

(3) Articles:

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" The Present and Future of Beef Production. Ann. Rep. of the Mo. St. Bd. of Agric., Vol. 46, 1914. (4000)

" Important Durocs and Their Influence upon the Breed. *Ibid.* (1200)

" Live Stock Problems. Rep. Ill. Farmers' Inst., 19:65-68. (1500)

(4) Books:

" and GRINDLEY, H. S., HALL, L. D. and EMMETT, A. D., with the collaboration of JOSEPH, W. E. and ALLISON, H. O.

A Study of the Digestibility of Rations for Steers with Special Reference to the Influence of the Character and the Amount of Feed Consumed. Ill. Agric. Exp. Sta. Bul. 172, pp. 285.

NOYES, W. A.

(3) Articles:

Religious Training at a University. Sci., 40:27. (200)

" The Valence of Nitrogen in Ammonium Salts. Proc., Am. Phil. Soc., 53:213:18-24. J. Am. Chem. Soc., 37:189-203. (7000)

" Report of the Editor of the Journal of the Am. Chem. Soc. Proc., J. Am. Chem. Soc., 37:4. (200)

" Report of the Joint Committee of the American Chemical Society and of the American Society for Testing Materials on Methods of Sampling and Analysis of Coal. W. A. Noyes, Chairman, and others. Proc., Am. Soc. Testing Materials, 14, 409-455. (18000)

OLDFATHER, W. A.

(2) Original reviews:

Castrogiovonni, des alte Henna in Sizilien, by O. Rossbach. Class. Philol., 9:340-432.

" Kaiser Julianus, by Johannes Geffcken. Class. J., 10:279-281.

(3) Articles:

" Roman Comedy. Class. Wkly., 7:217-222. (4500)

" The Fine Arts and the Classics. *Ibid.*, 8:65-67. (2000)

OLIVER, T. E.

(3) Articles:

An American Reader's Impressions of Some Great European Libraries. Pub. Lib., 19:9:377-382. (3300)

OLIVER, T. E.

" Suggestions and References for Modern Language Teachers. Univ. of Ill. Sch. of Educ. Bul., 12:1-52.

(4) Books:

" Sedaine, Michel-Jean: Le Philosophe sans le scavoir. Comédie en cinq actes et en prose, with Introduction and Notes. Oxford French Ser. by Amer. Scholars. Oxford Univ. Press, N. Y., 1914. pp. xlvii, 159.

PARR, S. W.

(3) Articles:

Report of Committee E-4 on Methods of Sampling and Analysis of Coal: Rep. of Sub-Com. IV on Volatile Matter. Proc., Am. Soc. for Testing Mat., 14:424-5. (400)

" Rep. of Sub-Com. IV on Fixed Carbon and Ash. *Ibid.*, 426-7. (350)

" The Development of an Acid Resisting Alloy for a Bomb Calorimeter. Sci., Nov. 27, 1914. 773. (300)

" The Purchase and Sale of Illinois Coal on Specification. Ill. St. Geol. Sur. Bul., 29:1-80. (42000)

" and HADLEY, H. F.

The Analysis of Coal with Phenol as a Solvent. Univ. of Ill. Exp. Sta. Bul., 76:1-41. (14000)

PAUL, H. G.

(1) Book notices:

The Teaching of Poetry in the High School. Educ. Adm. and Supervision, 1:4:271-273. (1100)

" On Handling Supplementary Reading. English J., 3:7:427-436. (3500)

" An Experiment in Literary Identification. *Ibid.*, 4:4:265-266. (400)

" The Preparation of High School Teachers of English. Sch. of Educ. Bul., 13:167-177. (6000). Bul. of Ill. Assn. Teachers of English, 7:5:5-17.

PEARSON, F. A.

(3) Articles:

The Fundamental Principles of Farm Accounts. Proc., Am. Farm Management Assn., Nov., 1914. 33-40. (1000)

PEASE, A. S.

(3) Articles:

The Conclusion of Cicero's De Natura Deorum. Trans. Am. Philol. Assn., 44:25-37.

" Medical Allusions in the Works of St. Jerome. Harvard Stud. in Class. Philol., 25:73-86.

" A Form of Potentilla Tridentata. Rhodora, 16:194:195.

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PEASE, T. C.

(1) Book notices:

Readings in Indiana History. Miss. Val. Hist. Rev., 1:588. (200)

" Colonial Trade of Maryland, 1684-1715, by Margaret S. Morriss. *Ibid.*, 1:586. (230)

" History of England and Greater Britain, by Cross. *Ibid.*, 1:449. (600)

" Political History of Secession, by Howe. *Ibid.*, 1:592. (700)

(4) Books:

" The County Archives of the State of Illinois. Ill. St. Hist. Lib., Springfield, 1915. pp. 29.

PETERSON, ALVAH

(3) Articles:

Morphological Studies on the Head and Mouth-parts of the Thysanoptera. Ann. Entom. Soc. of Am., 8:1:20-66. 7 plates.

PICKETT, B. S.

(3) Articles:

The Blight of Apples, Pears and Quinces. U. of I. Agr. Exp. Sta. Cir., 72:1-12. (3500)

" Late Broods of the Codling Moth. *Ibid.*, 171:8. (1500)

" Four Aphids Injurious to the Apple. *Ibid.*, 179:4. (1200)

" Pruning the Peach Orchard. Trans. Ill. St. Hort. Soc., 48:8. (3000)

POOR, C. M.

(4) Books:

Zwei Märchen von Isolde Kurz, with introduction, notes, German questions, and vocabulary. Oxford Univ. Press, N. Y., 1914. pp. xi, 194.

POWELL, B. E.

(3) Articles:

How to Keep Brine Pickles. Good Housekeeping, 59:2. (2000)

" Chickens and Ducks. Country Gentleman, 79:48. (1000)

" Efficient Acres. *Ibid.*, 80:20. (3000)

" Finding Better Seed for World's Food Supply. Am. R. of R., 51:3. (2500)

RAYNER, W. H.

(3) Articles:

Socializing our Engineering Education. Bul. of Soc. for Promotion of Eng. Educ., 4:9:39-50. (4000)

READ, J. W.

(3) Articles:

See WASHBURN, E. W.

REECE, E. J.

(3) Articles:

Race Mingling in Hawaii. Am. J. of Soc., 20:104-116. (4200)

(4) Books:

" State Documents for Libraries. Univ. of Ill. Bul., 12:36.

REES, C. C.

(3) Articles:

The Rust on Antirrhinum. Am. Flor., 43:1386:1198; *Ibid.*, 35:886:18; Flor. Exchge., 38:21:1156.

RICH, J. L.

(3) Articles:

A Peculiar Behavior of Cumulus Clouds over the Illinois River Valley. Sci., N. S., 40:851-852. (780)

" The Occurrence of Unusually Large Boulders in Gravel Deposits. Am. J. Sci., 38:441-445. (1200)

" Certain Types of Stream Valleys and Their Meaning. J. Geol., 22:469-497. (7900)

" Notes on the Physiography and Glacial Geology of the Northern Catskill Mountains. Am. J. Sci., 39:137-166. (11500)

" The Setting of the Recent Italian Earthquake. Am. R. of R., 51:318-320. (1500)

" Notes on the Human Geography of an Oil Field. J. of Geog., 13:185-190. (2580)

" with FILMER, E. A.

Interglacial Gorges of Six Mile Creek at Ithaca, N. Y. *Ibid.*, 23:59-80. (7000)

" Some Peculiarities of Glacial Erosion Near the Margin of the Continental Glacier in Central Illinois. Bul. Geol. Soc. of Am., 26:70-73. (850)

RIETZ, H. L.

(3) Articles:

The Status of Certain Current Pension Funds. Rec. Am. Inst. of Actuaries, 3:7:33-52. (9000)

RINAKER, CLARISSA

(3) Articles:

Twenty-six Unedited Letters from Thomas Warton to Jonathan Toup, John Price, George Steevens, Isaac Reed, William Mavor, and Edmond Malone. J. Engl. and Ger. Philol., 14:1:96-118. (9000)

" Thomas Warton and the Historical Method in Literary Criticism. Mod. Lang. Assn. of Am., 30:1:79-109. (12000)

" Thomas Warton's Poetry and Its Relation to the Romantic Movement. Sewanee R., 23:2:140-163. (9000)

ROBERTSON, W. S.

(1) Book notices:

The Confederation of Europe, by W. A. Phillips. Am. Hist. R., 20:153-154.

" Biografia de J. F. Ribas, by J. V. Gonzalez. *Ibid.*, 212-213.

" Discursos y Proclamas, by Simon Bolivar. *Ibid.*, 213-214.

" The Viceroy of New Spain, by D. E. Smith. Miss. Val. Hist. R., 1:144-145.

ROBERTSON, W. S.

" Guide to the Materials for the History of the United States in the Principal Archives of Mexico, by H. E. Bolton. *Ibid.*, 146-147.

" Guatemala and the States of Central America, by C. W. Donville-Fife. *Ibid.*, 478-479.

" The Spanish Archives of New Mexico, by R. E. Twitchell. *Ibid.*, 605-607.

" Northern Patagonia, by B. Willis. *Ibid.*, 610-611.

(3) Articles:

" South America and the Monroe Doctrine, 1824-1828. Pol. Sci. Q., 30:82-105. (9000)

ROBINSON, C. M.

(1) Book notices:

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" A List of American City-Planning Reports. Am. City, Dec., 1914. (4700)

(2) Original reviews:

" The Latest Practice of Town Planning in the United States. Nat. Mun. R., July, 1914; J. Inst. of Mun. and Co. Eng., July, 1914. (5300)

(3) Articles:

" Guidance for City Growth: The City Planning Movement Worldwide. Syndicate Art. for Survey press service, scores of newspapers, June-July, 1914. (1500)

" The Main Street of a Village. Am. City. (Town and Co. Ed.) Oct., 1914.

" Are We Forgetting How to Play? Designer, Apr., 1915. (1200)

ROBINSON, M. H.

(1) Book notices:

History of Money, by Dodd. Weltwirtschaftliches Archiv. 5 Band. Heft 1. June, 1915. (800)

(3) Articles:

" A Report on Supervision of Corporations and Related Business. St. of Ill., Springfield, 1914, pp. 56.

" A Report on Fire Insurance Rates in Illinois. St. of Ill., Springfield, 1915, pp. 28.

(4) Books:

" Organizing a Business Enterprise. (Rev. and enlarged ed.) LaSalle Exten. Univ., Chicago, 1915. pp. 325.

RUCKMICH, C. A.

(1) Book notices:

The Unconscious, by Morton Prince. Philos. R., 23:462-465. (2500)

" The Psycholeuroses and their Treatment by Psychotherapy, by J. Dejerine and E. Gauckler. (Trans. by S. E. Jelliffe.) Psychol. Bul., II:229-231. (500)

RUCKMICH, C. A.

(3) Articles:

A Schema of Method. Psychol. R., 21:393-401. (5000)

See BENTLEY, M.

RUSK, H. P.

(3) Articles:

Silage as a Roughage for Fattening Cattle. Rep. Ill. Farmers' Inst., 1914. (2500)

SARETT, L. R.

(3) Articles:

Canada, the Lady of the Snows. Human Int. Lib., Vol. 4. (6000)

SAVAGE, T. E.

(3) Articles:

The Relations of the Alexandrian Series in Illinois and Missouri to the Silurian Section of Iowa. Am. J. of Sci., 38:223:28-37. (4800)

" On the Conditions Under Which the Vegetable Matter of Illinois Coal Beds Accumulated. J. of Geol., 22:8:754-765. (5000)

" The Alexandrian Rocks of Northeastern Illinois and Eastern Wisconsin. (Abstract) Bul. Geol. Soc. of Am., 26:1:95.

SCHMIDT, E. C.

(3) Articles:

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" The Influence on Locomotive Tractive Effort of Mechanical Stokers and Superheaters. Bul. Am. Ry. Eng. Assn., 16:172:135.

SCOTT, F. W. and ZEITLIN, J.

(4) Books:

College Readings in English Prose. Macmillan, N. Y., 1914. pp. xiii, 653.

SHAW, J. B.

(1) Book notices:

Les principes de l'analyse mathématique, by Boutroux. Bul. Am. Math. Soc., 2:21. (1000)

" The Algebra of Logic, by Couturat. Am. Math. M., 22:95-97. (1000)

(2) Original reviews:

" Mathematical Methods in Physics: Volterra, Sur quelques progrès récents de la physique mathématique; Drei Vorlesungen über neuere Fortschritte der mathematischen Physik; Leçons sur l'intégration des équations différentielles aux derivées partielles. Bul. Am. Math. Soc., 21:192-199. (3000)

SHELFORD, V. E.

(1) Book notices:

Guide to the Study of Animal Ecology, by Adams. Sci., N. S., 39: 580-581.

SHELFORD, V. E.

(3) Articles:

" An Experimental Study of the Behavior Agreement Among the Animals of Animal Community. Biol. Bul., 26:294-315.

" The Significance of Evaporation in Animal Geography. Ann. Assn. Am. Geog., 3:29-42.

" A Comparison of the Responses of Sessile and Motile Plants and Animals. Am. Nat., 48:641.

" Suggestions as to Indices of the Suitability of Water for Fishes. Am. Soc., 1914, pp. 29-32.

" Suggestions as to the Original Habitat and Distribution of our Native Insect Pests. J. Econ. Entom., 8:171-174.

" Principles and Problems of Ecology as Illustrated by Animals. J. of Ecology, 3:1-23.

SHERMAN, S. P.

(2) Original reviews:

Margaret L. Woods. Nation, 98:523-525. (3000)

(4) Books:

" A Book of Short Stories. Holt, N. Y., 1914. pp. vii-xxxiv, 353.

SIMPSON, FRANCES

(4) Books:

Katherine L. Sharp: An Appreciation. Privately published by M. E. Alvern, Chicago, 1915. pp. 8.

SISAM, C. H. and SNYDER, V.

(4) Books:

An Analytical Geometry of Space. Holt, N. Y., 1914. pp. xi, 285.

SLATER, W. A.

(3) Articles:

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" Temperature Measurements in Concrete Buildings. Concrete Cem. Age, 6:3:155. 2 plates. (600)

SMITH, C. S. and SALANT, WILLIAM

(3) Articles:

The Influence of Sodium Tartrate on the Circulation. J. Pharm. and Ex. Therap., 5:515. (292)

" The Toxity of Tin. *Ibid.*, 5:517. (126)

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" and ALSBERG, C. L.

Studies upon the Long Continued Feeding of Saponin. J. Pharm. and Ex. Therap., 5:517. (217)

SMITH, FRANK

(3) Articles:

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SMITH, G. M.

(3) Articles:

The Ideal Diffusion Coefficient and a Fundamental Law Concerning the Diffusion of Dissolved Substances in Liquids. J. Am. Chem. Soc., 36:5:847-864.

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" with BALL, T. R.

The Volumetric Estimation of Titanium by Means of Ferric Chloride. J. Am. Chem. Soc., 36:9:1838-1843.

" The Effect upon their Solution Tensions of Dissolving the Alkali Earth Metals in Mercury and the Constitution of Such Solutions. *Ibid.*, 37:1:76-80.

" A Method for the Calculation of the Hydration of the Ions at Infinite Dilution and the Ideal Diffusion Coefficient as Applied to the Hydrodiffusion of Electrolytes. *Ibid.*, 37:4:722-733.

SMITH, W. H.

(3) Articles:

Materials for Course in Animal Husbandry. Sch. Sci. and Math., 15:100-104. (1500)

SNYDER, VIRGIL

(4) Books:

See SISAM, C. H.

STEBBINS, JOEL

(3) Articles:

Photometric Tests of Spectroscopic Binaries. Astrophysical J., 39:459-484. (8000)

STEVENS, F. L.

(3) Articles:

A Serious Strawberry Disease. Sci., 39:949.

" Some Problems in Plant Pathology in Reference to Transportation. Phytopathology, 5:108. (1000)

STOEK, H. H. with HOLBROOK, E. A.

(3) Articles:

Mining Laboratories of the University of Illinois. West Soc. of Engrs., May, 1914. (1600)

STORY, R. M.

(3) Articles:

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" Report on Constitutional Provisions Dealing with Municipalities. Presented to the Universities Com. on St. Constitution and mimeographed for private circulation only. (10000)

THOMPSON, C. M.

(1) Book notices:

General Economic History of the Dominion, 1867-1912, by O. D. Skelton. Miss. Val. Hist. R., 1:134. (250)

" Immigration, by Henry Pratt Fairchild. *Ibid.*, 282-284. (2000)

" Immigration and Labor, by Isaac A. Hourwich. *Ibid.*

" The Immigrant Invasion, by Frank Julian Warne. *Ibid.*

" Abraham Lincoln, by Rose Strunsky. *Ibid.*, 581-582. (500)

(3) Articles:

" The Lincoln Way Investigation in Illinois. Mag of Hist., 19:101-105. (2000)

" Early Election Machinery in Illinois. J. Ill. St. Hist. Soc., 7:200-210. (5000)

(4) Books:

" The Illinois Whigs before 1846. Univ. of Ill., Urbana, Ill., 1915. pp. 166.

" The Investigation of the Lincoln Way. Ill. St. Hist. Lib., Springfield, Ill., 1915. pp. x, 70.

See BOGART, E. L.

THOMPSON, J. G.

(2) Original reviews:

The Granger Movement, 1870-1880, by Solon Justus Buck. J. Pol. Econ., 22:495-498. (1200)

" The Ownership, Tenure, and Taxation of Land, by Sir Thomas Whittaker. *Ibid.*, 33:191-194. (1000)

TOWNSEND, E. J.

(4) Books:

Functions of a Complex Variable. Holt, N. Y., 1915. pp. 510.

TRELEASE, WILLIAM

(3) Articles:

Furcraea. Bailey's Standard Cyclo. of Hort., 3:1305-1306.

" Gasteria. *Ibid.*, 3:1317-1318.

" Haworthia. *Ibid.*, 3:1433-1435.

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" Phoradendron. Proc., Natl. Acad. Sci., 1:30-35.

(4) Books:

" Contributions from the Henry Shaw School of Botany, Urbana, 1914. A series of 25 botanical papers by Coulter, Eliot, Harris, Life, Pammel, von Schrenk, Trelease, and Webber, extending over the period from 1887 to 1906. Issued collectively by William Trelease. pp. 727.

VAN CLEAVE, H. J.

(3) Articles:

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" Eorhynchus: A Proposed New Name for Neorhynchus Hamann Preoccupied. J. of Parasit., 1:50-51. (700)

VAN DEN BERG, H. J.

(4) Books:

Graded Materials for Piano Teachers. Champaign, Ill., 1915. pp. 60.

VERNIER, C. G.

(3) Articles:

Report of Proc. 3rd Ann. Mtg. Ill. St. Soc. of Am. Inst. of Crim. Law and Criminology. Ill. St. Bar Assn. Rep. for 1914, 308-316. (2500)

" Judicial Decisions on Criminal Law and Procedure. J. of Crim. Law and Criminol., 5:270 (1800), 5:419 (2500), 5:590 (1200), 5:751 (1400), 5:908 (2700), 6:104 (1500).

WAHLIN, G. E.

(3) Articles:

The Equation $x^{l}-A=O$ (p). J. für die reine und angewandte Mathematik, 145:114-138. (5500)

WALDO, E. H.

(3) Articles:

Electric Lamp Development. Elec. World, 64:2:88. (800)

WARD, H. B.

(1) Book notices:

Early Days on the Yukon, by Wm. Ogilvie. Miss. Val. Hist. R., 1:135-136. (400)

(2) Original reviews:

" Hirudinea. Reference Handbook Medical Sciences, Rev. Ed., 4:246-249. (6400)

(3) Articles:

" with HIRSCH, E. F.

" The Species of Paragonimus and Their Differentiation. Ann. of Trop. Med. and Parasitol., 9:109-162. Pl. 7-11. (21000)

" Otacariasis in the Bighorn. J. Parasitol., 1:121-127. 1 Pl. (3500)

WASHBURN, E. W.

(1) Book notices:

Landolt-Börnstein Physikalisch-Chemische Tabellen, by R. Börnstein and W. A. Roth. J. Am. Chem. Soc., 37:235.

(3) Articles:

" with HEUSE, E. O.

" The Measurement of Vapor Pressure Lowering by the Air Saturation Method. *Ibid.*, 37:309. (3000)

" with MILLARD, E. B.

" The Ionic Hydration and Transference Numbers of Cassium Chloride. *Ibid.*, 37:694. (1400)

WASHBURN, E. W.

" with READ, J. W.

" The Freezing-Point-Solubility Law for Ideal Solutions. Proc. Natl. Acad. Sci., 1:224. (1600)

(4) Books:

" Introduction to the Principles of Physical Chemistry, Part I. McGraw-Hill Book Co., N. Y., 1914. pp. 183.

WATSON, F. R.

(3) Articles:

Acoustics of Auditoriums. Univ. Ill. Eng. Exp. Sta. Bul. 73:1-32. Scientific Am. Supplement, 78:358-359, 380-382. (14000)

WELKER, W. H. and FALLS, F. H.

(3) Articles:

Appearance of Non-Colloidal Ninhydrin-Reacting Substances in the Urine. J. Am. Med. Assn., 62:1800-1802. (2015)

WELSH, T. W. B.

(3) Articles:

See BRODERSON, H. J.

WHEELER, RUTH

A Study of the Nutritive Value of Some Proprietary Infant Foods as Milk Modifiers. Am. J. of Dis. of Children. 9:4:300-317. (3500)

WHICHER, G. F.

(1) Book notices:

Aaron Hill, Poet, Dramatist, Projector, by Dorothy Brewster. J. Engl. and Ger. Philol., 13:475-479. (1200)

WHIPPLE, G. M.

(1) Book notices:

Correlations of Mental Abilities, by B. R. Simpson. J. Educa. Psych., 5:472-474. (800)

" Fatigue and Its Effects Upon Control, by I. E. Ash. *Ibid.* (600)

" The Mental Health of the School Child, by J. E. W. Wallin. Educ. Admin. and Supervision. 1:59-60. (700)

(2) Original reviews:

" Annual Summary of the Psychology of Testimony and Report. Psych. Bul., 17:245-250; J. Crim. Law, 5:785-788. (1500)

(3) Articles:

" The Hygiene of the School Child, by J. E. W. Wallin. *Ibid.*, 1:60-62. (700)

" School Training of Defective Children, by H. H. Goddard. *Ibid.*, 1:347. (300)

(4) Books:

" Manual of Mental and Physical Tests, Part I, Simpler Processes. Warwick and York, Baltimore, Md., 1914. pp. xi, 365.

" (Translation) Psychological Methods of Testing Intelligence, by W. Stern. Warwick and York, Baltimore, Md., 1914. pp. 160.

WILLARD, A. C.

(3) Articles:

Heat Transmission Tests on Steel Mail Car Section. Ry. Age Gaz., 56:26:1572-1574. (2200)

" Engineering Data for Furnace Heating. Metal Worker, 83:17:604-606. (4000)

WILLIAMS, C. A.

(3) Articles:

Bits of Popular Tradition from Smaland (Sweden). Publns. Soc. for Adv. of Scand. Studies, 1:274-278.

" Zum ältesten Druck des Wilhelmusliedes. (Hochdeutsch 1580). Tijdschrift voor nederlandsche Tall-en Letterkunde, 1914, 154-156.

" Das "Aennelein von Torgau". Euphorion, 20:206.

WILLIAMS, R. H. and EMMETT, A. D.

(3) Articles:

A Study of the Ash Content of Growing Pigs with Special Reference to the Influence of the Quantity of Protein Consumed. Ill. Agric. Sta. Bul., 169:1-20.

" A Study of the Phosphorus Content of Growing Pigs with Special Reference to the Influence of the Quantity of Protein Consumed. *Ibid.*, 171:1-25.

WILSON, W. M.

(3) Articles:

Types of Movable Bridges. J. West. Soc. of Engrs., 19:6:550-589. (15000); Contract Rec. and Eng. R., 28:31:979.

" Proposed Courses in Structural Engineering for Civil Engineering Students. Bul., Soc. for Promotion of Eng. Educ. 4:10:118. (2700)

WOOLBERT, C. H.

(3) Articles:

The Ethics of Public Address. Pub. Speaking R., 4:3:8. (3000)

" Elocution Redivivus. Engl. J., 4:3:8. (3200)

" On Speaking Out. Q. J. of Pub. Speaking. 1:1:1. (350)

ZEITLIN, J.

(1) Book notices:

The Infinitive in Anglo-Saxon, by Morgan Callaway, Jr. J. Engl. and Ger. Philol., 13:3:479-482. (1500)

(3) Articles:

" Dostevsky the Reactionary. New Repub., 2:176-178. (1600)

(4) Books:

See SCOTT, F. W.

ZELENY, CHARLES and FAUST, E. C.

(3) Articles:

Size dimorphism in the spermatozoa from single testes, J. of Exp. Zool., 18:187-240. (21000)

" Dimorphism in size of spermatozoa and its relation to the chromosomes. Proc., Natl. Acad. of Sci., 1:91-94. (1600)

UNIVERSITY OF ILLINOIS
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION UNIVERSITY OF ILLINOIS

MAY 1, 1915-APRIL 30, 1916

The publications of the faculty of the University of Illinois during the year ended April 30, 1916, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles on contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ALVORD, C. W.

(1) Book notices:

Lands forlorn, by Douglas. Miss. Val. Hist. R., 2:4:610-611. (240)

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RUCKMICH, C. A.

(1) Book notices:

An introduction to psyschology, by R. M. Ogden. Am. J. of Psych., 26:462-464. (800)

" Psychology, general and applied, by Hugo Münsterberg. *Ibid.*, 26:464-465. (600)

" A first book in psychology, by M. W. Calkins. *Ibid.*, 26:465-466. (700)

" Human motives, by J. J. Putnam. *Ibid.*, 27:287-288. (450)

" Sleep and sleeplessness, by H. A. Bruce. *Ibid.*, 27:288-289. (500)

(3) Articles:

" The last decade of psychology in review. Psych. Bul., 8:109-120. (6000)

" A bibliography of rhythm (Supplementary List). Am. J. Psych., 26:457-459. 66 titles.

with TITCHENER, E. B.

" Articles on psychic research, Psychology and Psychotherapy. New Int. Yr. Bk., N. Y., 1915. (6500)

RUTH, W. A.

(3) Articles:

Field experiments in spraying apple orchards. Part of Bul. Ill. Agr. Exp. Sta., No. 185. Pp. 104-117.

SARRETT, L. R.

(2) Original reviews:

Training in expression for the high school teacher of English. The Eng. J., 5:1:77-78. (400)

SAVAGE, T. E.

(3) Articles:

The geology and mineral resources of the Springfield quadrangle. Ill. St. Geol. Sur., 20:97-130. (17000)

" Geologic structure of the Canton and Avon quadrangles. *Ibid.*, 33:26-36. (4700)

with Ross, C. S.

" The age of the iron ore in eastern Wisconsin. Am. J. Sci., 41:2:187-193. (2400)

SCHMIDT, E. C.

(4) Books:

with SNODGRASS, J. M. and KELLER, R. B.

Laboratory tests of a consolidation locomotive. Eng. Exp. Sta., Bul. No. 82. Pp. 129.

SCHOEPPERLE, GERTRUDE

(3) Articles:

with LEACH, H. G.

Haralds saga Hringsbana and the Svanhild and Tristan romances. Pubns. Soc. for Adv. of Scand. Study, 2:264-276. (6000)

SCOVILL, H. T.

(2) Original reviews:

Accounts and accounting practice, by Albert G. Belding. Educ. Adm. and Supervision, 1:9:627. (375)

(3) Articles:

" The cost of doing business. Mfrs. News, 9:6:13; 9:7:14. (2000)

" Figuring profits in your buisness. *Ibid.*, 9:9:17. (2350)

" A retail system. *Ibid.*, Vol. IX. (2350)

" Costs and their application to the clay industry. The Brick Maker, 1:8:8. (1600)

(4) Books:

" Uniform system of accounts for gas utilities, class "A", prepared for the State Public Utilities Commission of Illinois. Pubn. Pending. Pp. xx, 100.

SEELEY, F. B.

(3) Articles:

with MOORE, H. F.

The failure of materials under repeated stress. Proc. Am. Soc. for Test. Mat., 15:437. (7000)

SENAY, C. T.

See ZELENY, CHARLES

SEYMOUR, L.

(3) Articles:

A reproduction of an old blue coverlid. Man. Tr. and Vocational Educ., 17:7:535. (2000)

SHAW, J. B.

(1) Book notices:

Relativity, by Conway. Bul. Am. Math. Soc., 22:8:411. (130)

" A theory of time and space, by Robb. *Ibid.*, 22:8:411. (900)

" Repertorium der Physik Weber und Gans. *Ibid.*, 22:8:414. (350)

(3) Articles:

" On parastrophic algebras. Trans. Am. Math. Soc. 16:3:361-370. (3000)

SHELFORD, V. E.

(3) Articles:

with POWERS, E. B.

An experimental study of the movements of herring. Biol. Bul., 28:5:315-334. Also in Fish. Gaz., 13:13:385-388; 13:14:419-420.

" Abnormalities and regeneration in cicindela. Ann. Ent. Soc. Am., 8:3:291-294.

" Elytral tracheation of cicindela. Tr. Am. Micro. Soc., 34:4:241-253.

SHERMAN, S. P.
(3) Articles:
H. G. Wells and the Victorians. The Nation, 100:2603:558-561. (4500)
" The gaiety of Socrates. *Ibid.*, 101:2611:88-91. (4100)
" The shepherd invites. (verse). *Ibid.*, 101:2611:91.
" The naturalism of Mr. Dreiser. *Ibid.*, 101:2631:648-650. (4500)
" The realism of Arnold Bennett. *Ibid.*, 101:2634:741-744. (4700)
" Revery (verse). *Ibid.*, 102:2636:9.
" Wells vs. Bennett. *Ibid.*, 102:2638:74. (1500)
" The humanism of Shakespeare. *Ibid.*, 102:2652:456-459. (5200)
(4) Books:
" 'Tis pity and the broken heart. D. C. Heath, Boston, 1915. Pp. lv, 287.

SHEWHART, W. A.
See WATSON, F. R.

SHONLE, H. A.
See MITCHELL, H. H.

SIMMONDS, W. E.
(3) Articles:
and MOORE, J. J.
Effect of continuous electric light in experimental arthritis. Arch. Int. Med., 17:1:78-81. (1150)

SISAM, C. H.
(3) Articles:
On rational sextic surfaces having a nodal curve of order nine. Am. J. Math., 37:4:445. (7000)
" On surfaces doubly generated by conics. Q. J. Math., 47:185:55. (6000)

SLATER, M. E.
with GRINDLEY, H. S., and JOSEPH, W. E.
(3) Articles:
The quantitative determination of the amino acids of feeding stuffs by the Van Slyke method. J. Am. Chem. Soc., 37:1778-1781. 2 tables. (1100)
with GRINDLEY, H. S.
(3) Articles:
" The quantitative determination of the amino acids of feeding stuffs by the Van Slyke method. J. Am. Chem. Soc., 37:2762-2769. 3 tables. (2300)

SLATER, W. A.
(3) Articles:
Tests of reinforced concrete flat slab structures. Eng. Exp. Sta. Bul. 84. (28000)

SMITH, FRANK
(3) Articles:
The value of birds to the gardener and fruit grower. Trans. Ill. Hort. Soc., 48:272-277. (2700)

SMITH, FRANK

" Two new varieties of earthworms with a key to described species in Illinois. Bul. Ill. St. Lab. Natl. Hist., 10:551-559. 1 table, 1 pl. (4000)

and GITTINS, E. M.

" Two new species of lumbricidae from Illinois. *Ibid.*, 10:545-550. (2400)

SMITH, J. E.

(3) Articles:

City streets. Proc. Ill. Munic. League, 1915. (6000)

" A retaining wall failure. Eng. Rec., Dec. 23, 1915. (750)

" Tree roots and sewers. Munic. J., Dec. 23, 1915. (250)

" Street maintenance and the engineer. Proc. Ill. Soc. Eng., 1916. (4000)

SMITH, L. H.

(3) Articles:

" Selection as a method of crop improvement. Bul. Ga. Sta. Coll. of Agr. 3:12:208. (6500)

" Why not plant live seed? The County Agent. 4:3:3. (500)

SMITH, M. I.,

with FANTUS, BERNARD

(3) Articles:

Comparative pharmacologic action of ethylhydrocuprein (optochin) and quinine. J. Pharm. and Exp. Ther., 8:1:54. (3500)

SMITHIES, FRANK,

with OCHSNER, W. J.

(4) Books:

Cancer of the stomach. W. B. Saunders, Philadelphia, 1916. Pp. ii, 522.

SNODGRASS, J. M.,

with SCHMIDT, E. C. and KELLER, R. B.

(4) Books:

Laboratory tests of a consolidation locomotive. Eng. Exp. Sta. Bul., No. 82, Pp. 129.

SNOW, C. M.

(3) Articles:

with FANTUS, BERNARD.

Extemporaneous tablet making. J. Am. Pharm. Assn., 5:2:147. (1300)

STEBBINS, JOEL

(2) Original reviews:

Study of the orbits of eclipsing binaries, by Shapley. Sci., N. S., 42, 59. (1200)

(3) Articles:

Some problems in stellar photometry. Proc. Natl. Acad. Sci., 1:259. (1500)

" The electrical photometry of stars. Sci., N. S., 42:809. (2000)

" The eclipsing variable star Delta Orionis. Astrophysical J., 42:133. (6000)

" A study of Beta Lyrae with a photo-electric photometer. Lick Observ. Bul., 8:186. (7000)

STEBBINS, JOEL

" Photometric tests of Theta Aquilae and Sigma Scorpii. *Ibid.*, 8:192. (1000)

See KUNZ, JAKOB

STEVENS, J. G.

(1) Book notices:

Outlines of sociology. Ann. of the Am. Acad of Polit. and Soc. Sci., 62:151:292. (200)

" Economic origins of Jeffersonian Democracy. The Sewanee R., 24:2:251. (350)

" The dread of responsibility. Ann. Am. Acad. Polit. and Soc. Sci., 60:149:247. (250)

" Capitalistic morality. *Ibid.*, 60:149:239. (200)

" The social problem. The Sewanee R., 23:4:498. (400)

" Sex and society. *Ibid.*, 23:4:500. (300)

" Essays in social justice. *Ibid.*, 24:1. (220)

(3) Articles:

" The modern attitude toward poverty. Champaign Dly. Gazette, February, 1916. 24:4. (1000)

STEWART, C. L.

(3) Articles:

Agricultural economics. Ann. Rep. Ill. Farmers' Inst., 20:161-165. (2300)

" Efficiency of threshing clubs. Farmers' R., 47:45:989,1001 (5, 17). (1800)

" Cooperative owning agreements. *Ibid.*, 47:47:1028, 1043 (4,19). (2000)

" The demand for lumber on American farms. The Timberman. 17:2: 27-29. (3200)

" The cooperative ownership of farm power machinery. Am. Thresherman and Farm Power. 18:10:54,55,62. (1800)

" The land owning farmer of the north and his need for personal credit. Marketing and Farm Credits—Rep., 1915. Pp. 473-483. (4400)

STOEK, H. H.

(3) Articles:

Steam shovel coal stripping in the Danville district. Coal Age, 9:11:448. (9000)

STOKES, J. H.

(3) Articles:

Generalized telandiectasia in association with syphilis, with the pathological picture of peripheral vascular sclerosis. Am. J. Med. Sci., 149:5:669. (12000)

" Local anaesthesia in intravenous injections. J. Am. Med. Assn., 45:12:1027. (500)

" Treatment of syphilis in a general hospital. Mod. Hosp., 6:3:171. (5000)

" The in-patient hospital in the control and study of syphilis. Soc. Hygiene, 2:2:207. (10000)

" Studies on intradermal sensitization, I. Intradermal reactions to emulsions of normal and pathologic skin. J. Infec. Dis., 18:4:402-414. (6000)

STOKES, J. H.

" Studies on intradermal sensitization, II. An intradermal reaction to agar, and an interpretation of intradermal reactions. *Ibid.*, 18:4:415-436. (10000)

" Acute syphilitic nephritis, from the standpoint of diagnosis and Salvarsan treatment. J. Am. Med. Assn., 46:16:1191-1194. (4500)

STROUSE, SOLOMON

(3) Articles:

Accurate clinical study of blood sugar. Johns Hopkins Hosp. Bul., 26:292:211-215. (5000)

" Pollen extracts and vaccines in hay fever. J. Am. Med. Assn., 46:712-715. (3500)

TALBOT, A. N.

(3) Articles:

with SLATER, W. A.

Tests of reinforced concrete flat slab structures. Eng. Exp. Sta. Bul. 84. Page 128. (50000)

TAYLOR, E. H.,

See RIETZ, H. L.

TAYLOR, NORMAN

See MILLER, WILHELM

THOMPSON, C. M.,

(4) Books:

and BOGART, E. L.

Readings in the economic history of the United States. Longmans, Green and Co., New York, 1916. xxvi, 862.

THOMPSON, J. G.

(3) Articles:

The nature of demand for agricultural products and some important consequences. J. Pol. Econ., 24:2:158-182. (9500)

TITCHENER, E. B.,

See RUCKMICH, C. A.

TRACY, GROVER

See WELKER, W. H.

TRELEASE, WILLIAM

(1) Book notices:

American botanical publications in Botanisches Centralblatt, through the year.

(3) Articles:

" The agaveae of Guatemala. Trans. Acad. Sci. St. Louis, 23:129-152. pl. 6-35.

" The large-fruited American oaks. Proc. Am. Philos. Soc. 54:7-11. pl. 1-3.

" Nolina, Bailey's Standard Cyclo. of Hort. 4:2147-2148.

" Oxalis. *Ibid.*, 4:2417-2419.

VanCleave, H. J.

(3) Articles:

Factors concerned in the production of mitosis in organisms displaying cell constancy. Biol. Bul., 29:1:33-40. (2400)

" Acanthocephala in North American amphibia. J. Parasit., 1:4:175-178. (1000)

" Notes on biological methods from University of Illinois. Trans. Am. Microscopical Soc., 34:3:195-199. (1800)

" Distribution of grades in an elementary zoology course in the University of Illinois. Educ. Adm. and Supervision, 2:4:251-253. (800)

" Seasonal distribution of some acanthocephala from fresh-water hosts. J. Parasit., 2:3:106-110. (2000)

VanMeter, Anna

(4) Books:

with Bevier, Isabel

Laboratory guide: Selection and preparation of food. Whitcomb and Barrows, Boston, 1915. Pp. ii, 100.

" Laboratory manual: Food and nutrition. Whitcomb and Barrows, Boston, 1915. Pp. iii, 70.

Van Tuyl, F. M.

(3) Articles:

The mottled tribes hill limestone and its bearing on the origin of dolomite (Abstract) Annals N. Y. Acad. Sci., 24:378.

" The origin of dolomite (Abstract). *Ibid.*, 24:362.

" New points on the origin of dolomite. (Abstract) Bul. Geol. Soc., Am., 26:1:62.

with Weller, Stuart.

" The Ste. Genevieve formation and its stratigraphic relations in southeastern Iowa. Proc. Ia. Acad. Sci., 22:241-247. (2000)

" Mottled limestones and their bearing on the origin of dolomite. Sci., 43:24-25. (500)

" An organic oolite from the ordovician. *Ibid.*, 43:396. (200)

" Brecciation effects in the St. Louis limestone. Bul. Geol. Soc. Am., 27:1:122-124. (1000)

Vernier, C. G.

(3) Articles:

Criminal law. Am. Yr. Bk., 1915. Pp. 274-278. (3500)

" Summary of the proceedings of the Fourth Annual Meeting of the Illinois Branch of the American Institute of Criminal Law and Criminology. Ill. St. Bar Assn. Rep. for 1915. Pp. 264-304.

" The Fourth Annual Meeting of the Illinois Branch of the American Institute of Criminal Law, 6 J. Crim. Law. and Crimin., 426. (2000)

" Judicial Decisions on Criminal Law and Procedure.

" 6 J. Crim. Law and Criminology. 260. (2200)

" 6 " " " " " 431. (2000)

" 6 " " " " " 602. (2200)

" 6 " " " " " 746. (2400)

" 6 " " " " " 908. (1600)

" 7 " " " " " 99. (1500)

WAHLIN, G. E.

(3) Articles:

A new development of the theory of algebraic numbers. Trans. Am. Math. Soc., 16:4:502. (2500)

WARD, H. B.

(1) Book notices:

Medical zoology in Brazil. J. Parasitol., 2:148. (250)

" Life history of the human blood fluke. *Ibid.*, 2:50. (450)

" Some minute animal parasites or unseen foes in the animal world, by H. B. Fantham and Annie Porter. *Ibid.*, 1:205-206. (625)

(2) Original reviews:

" Work of the institute of Tropical Medicine and Hygiene in Porto Rico. J. Parasitol., 1:206-207. (500) 1 table.

" United Fruit Company medical department. *Ibid.*, 2:96. (1000) 2 tables.

(3) Articles:

" An experimental plant of interest to fish culturists. Trans. Am. Fisheries Soc., 44:169-178. (3600) 1 plate.

" Nematoda. Ref. Handb. of Med. Sci., 6:676-704. (46400)

" Intestinal parasites in children. Archives of Pediatrics, 33:116-123. (3200)

" Charles Edwin Bessey—His service to science. Mem. Pubn. of Neb. Schoolmaster's Club, pp. 17-26. (3600)

" Gongylonema in the role of a human parasite. J. Parasit., 2:119-125. 1 plate. (2500)

(4) Books:

with others.

" Report of special Senate Committee, etc. University of Illinois, Urbana, September, 1915. Pp. 44.

WASHBURN, E. W.

(4) Books:

Introduction to the principles of physical chemistry. McGraw Hill Book Co., New York, 1915. Pp. xxv, 445.

WATKINS, RACHEL

(3) Articles:

A serum treatment for physiologically defective thyroids, with clinical reports. Ill. Med. J., 28:6:419. (2500)

WATSON, F. R.

(2) Original reviews:

Acoustics of auditoriums. Concerning the theory of reverberation. Am. Arch., 108:369. (4650)

(3) Articles:

" The correction of echoes in the Auditorium at the University of Illinois. Phys. R., 6:2:56. (200)

" Investigation of the acoustical properties of the Armory at the University of Illinois. *Ibid.*, 7:2:400. (700); The Brickbuilder, 24:257. (860)

" An investigation of the transmission, reflection, and absorption of sound by different materials. Phys. R., 7:2:125. (3380)

with SHEWHART, W. A.

" A study of ripple wave motion. *Ibid.*, 7:2:226. (1350)

WEBER, H. C. P.

(3) Articles:

The separation of metals of the tin group. J. Am. Chem. Soc., 38:1011-1017. (1500)

(4) Books:

" Qualitative analysis charts. (Looseleaf). D. H. Lloyde & Co., Champaign, Illinois, 1916. Pp. i, 7.

WEIRICK, BRUCE

(4) Books:

Essays for college English. D. C. Heath & Co., Boston, 1915. Pp. xx, 447.

WELKER, W. H.

(3) Articles:

and MARSHALL, JOHN.

The toxicity of rattlesnake serum and bile with a note on the effect of bile on the toxicity of venom. J. Pharm. and Exp. Therapeutics, 6:5:563. (1200)

" The antitoxic action of rattlesnake serum on rattlesnake venom with a note on the percentage of total solids of the serum and bile. *Ibid.*, 7:1,2:125. (800)

with TRACY, GROVER

" The use of aluminium hydroxide cream for the removal of albumin in nitrogen partition in urinary analysis. J. Biol. Chem., 22:1:55. (800)

" A disturbing factor in Barfoed's test. J. Am. Chem. Soc., 37:9:2227. (700)

WELLER, STUART

See VAN TUYL, F. M.

WELO, L. A.,

See KNIPP, C. T.

WHEELER, RUTH

(3) Articles:

Recent contributions to the foundations of dietetics. J. Home Econ., 7:9:469. (3500)

" Proteins in growth. Sci. Monthly, 2:6:279. (1400)

WHIPPLE, G. M.

(1) Book notices:

" Pathological lying, accusation, and swindling: A study in forensic psychology, by William Healy and Mary T. Healy. Ill. Law R., 11:1:61-63. (700)

" Epreuve nouvelle pour l'examen mental et son application aux enfants anormaux, by O. Decroly. J. Educ. Psychol., 6:371-372. (400)

" Tests de developpement et tests d'aptitudes, by W. Claparéde. *Ibid.*, 6:565-566. (475)

(2) Original reviews:

" Annual summary of the psychology of testimony. Psych. Bul., 12:221-224; J. Crim. Law and Criminol. (1000)

(3) Articles:

WHIPPLE, G. M.

" How to study effectively. School and Home Edu., Vol. 35. Jan., 1916; Feb., 1916; Apr., 1916; May, 1916. (11000)

" Children's vocabularies. *Ibid.*, Vol. 35. Oct., 1915. Pp. 42-43. (1250)

" The use of mental tests in the school. 15th Yearb. Natl. Soc. for Study of Edu., Part I, 1916. Pp. 149-160. (4500)

" Advertising academic appointments. J. Edu. Psych., 1915. 6:375-376. (450)

" The problem of sense training. *Ibid.*, 1915, 6:567-568. (500)

WHITE, K. D.,

See KAY, F. H.

WHITFORD, R. C.

(3) Articles:

Madame de Staël's English triumph. So. Atlan. Q., 15:1:41-51. (3600)

" The "Arabian Nights" and the English novel. Dial, 60:714:270. (750)

WILEY, C. C.

(3) Articles:

Monolithic brick paving slabs show high bond. Eng. Rec., 73:3:86. (1200)

WILLARD, A. C.

(3) Articles:

Engineering data for furnace heating. Natl. Warm Air Htg. and Ventilating Assn., special pamphlet. (4800)

" Testing warm air furnaces for efficiency and commercial ratings. *Ibid.*, (5000)

(4) Books:

with HARDING, L. A.

" Mechanical equipment of buildings. John Wiley & Sons, New York, 1916. Pp. vi, 498.

WILLIAMS, A. W.

(3) Articles:

The use of the thermometer in the cooking of soft custards. J. Home Econ., 8:4:178-179. (700)

WILLIAMS, C. A.

(1) Book notices:

Icelandic authors of today, by H. Hermannsson. Pubns. of Soc. for the Advancement of Scand. Study, 2:4:279ff.

WILLIAMS, E. H.

(3) Articles:

Saturation value of the intensity of magnetization and the theory of the hysteresis loop. Phys. R., 6:5:404. (1600)

WILLIAMSON, C. S.

(3) Articles:

Influence of age and sex on haemaglobin; a spectrophotometric analysis of nine hundred nineteen cases. (Prelim. Rep.) J. Am. Med. Assn., Vol. 65. July 24th, 1915.

" Nephritis; hepatic abscess; acute gout; chronic gout. Med. Clinics of Chicago, Vol. I, pp. 39-77.

WILLIAMSON, C. S.

" Aortic aneurism; tubercular pleurisy; metastatic pleurisy; typhoid fever. *Ibid.*, Vol. I, pp. 353-367.

" Lead poisoning; another case of plumbism; a typical case of gout. *Ibid.*, Vol. I, pp. 405-430.

" Three cases of malaria; haemorrhagic pleurisy; trichinosis. *Ibid.*, Vol. I, pp. 709-743.

" Bronchiectasis; acromegaly; acute generalized tibercular adenitis; gangrene of lung; carcinoma of the stomach simulating pernicious anaemia. *Ibid.*, Vol. I, pp. 871-918.

" Hanot's Disease; a tumor of the left kidney; an abdominal tumor. *Ibid.*, Vol. I, pp. 1109-1130.

WOOD, C. A.

(3) Articles:

Eyelids and lachrymal apparatus of birds. Ophthalmology, 11:641.

" The sclerocorneal seton in the treatment of glaucoma. Ophthalmic Rec., 26:235.

" Shrapnel wound of the occipital region with involvement of the visual centers. *Ibid.*, 26:392.

(4) Books:

" The American encyclopedia and dictionary of ophthalmology. Cleveland Press, Vol. VI, pp. 842; Vol. VII, pp. 822; Vol. VIII, pp. 745.

WOOLBERT, C. H.

(1) Book notices:

Practical argumentation and debates, by George A. Pattee. Q. J. of Pub. Speaking, 2:2:215-216. (300)

(3) Articles:

" Theories of Expression—some criticisms. *Ibid.*, 1:2:127-144. (6000)

" The organization of departments of speech science in universities, *Ibid.*, 2:1:64-68. (5400)

" Editorial, "scholar vs. advocate." *Ibid.*, 1:2:207-210. (1200)

(4) Books:

" Expression in speech. University Press, Champaign, Illinois, 1915. Pp. 112.

ZEITLIN, JACOB

(4) Books:

Select prose of Robert Southey. Macmillan Co., New York, 1916. Pp. xii, 436.

ZELENY, CHARLES

(1) Book notices:

Senescence and rejuvenescence, by Child. Science, N. S., 43:1097:28-29. (600)

(3) Articles:

with SENAY, O. T.

" Variation in head length of spermatozoa in seven additional species. J. Exp. Zool., 19:4:505-514. (4000)

with MATTOON, E. W.

" The effect of selection upon the 'bar eye' mutant of drosophila. *Ibid.*, 19:4:515-529. (6000)

UNIVERSITY OF ILLINOIS
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF I

TION—UNIVERSITY OF ILLINOIS

MAY 1, 1916—APRIL 30, 1917

The publications of the faculty of the University of Illinois during ended April 30, 1917, are listed below under four heads, namely: (1 reviews which are of the character of book notices; (2) Book reviews are essentially original articles or contribution to the discussion of the s matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

(3) Articles:

with BEEBE, C. H.

Action of the grignard reagent on CN compounds: Synthesis of amidines from cyanamides. J. Am. Chem. Soc., 38: 12: 2768.

" with WEEKS, L. F.

Action of oxalyl chloride on primary, secondary, and tertiary alcohols. *Ibid.*, 38:11:2514.

ALLEN, PAUL W.

(3) Articles:

Comparison of the rate of multiplication of bacteria in raw milk with the rate in pasteurized milk. J. Infec. Disease, 19:5: 721. (1500)

ALVORD, C. W.

(1) Book notices:

French memories of eighteenth-century America, by Charles H. Sherrill. Miss. Val. Hist. R., 3:2:232. (700)

" (3) Articles:

Virginia and the west; an interpretation. *Ibid.*, 3:1:19.. (6750)

" (4) Books:

The Mississippi valley in British politics. A. H. Clark, Cleveland, Ohio, 1917. pp. iv, 754. (180,000)

ARNOLD, H. C.

(3) Articles:

Attempt to fit enamel to plastic clay bodies. Trans. Am. Ceram. Soc., 18:139.

" Description of the Richardson continuous kiln. Clayworker, Apr., 1917.

BABCOCK, KENDRIC C.

(1) Book notices:

Papers of James A. Bayard, ed., by Eliz. Dorman. Am. Hist. R., 21:4:821. (750)

" History of education in Iowa, by C. R. Aurner, vols. iii, iv, *Ibid.*, 22:1:190. (900)

" Life story of Rasmus B. Anderson, told by himself. Miss. Val. Hist. R., 3:2:255. (1200)

BABBITT, H. E.

(3) Articles:

Administration of municipal water-works in Illinois. Proceed. Third Ann. Con. Ill. Munic. League, 89. (3000)

notices:

relationship between persistence in school and home conditions, by C. E. Holley. School and Home Educ., 35:10: 317. (1000)

ert of Chester's Latin translation of the algebra of Al-Khowarizmi, by L. C. Karpinski, *Ibid.*, 36:3:77 (500)

William Oughtred: A great seventeenth-century teacher of mathematics, by F. Cajori. *Ibid.*, 36:3:79. (800)

" From Dartmouth to the Dardanelles; The Irish at the front, by M. MacDonagh. *Ibid.*, 36:5:144. (1100)

" The junior high school, by A. A. Douglass. *Ibid.*, 36:8:211. (800)

" (2) Original reviews:

" A modern school, Abraham Flexner. School and Home Educ., 35:9:281. (2000)

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" (3) Articles:

The teacher's reading. School and Home Educ. 34:160. (1200)

" Books for the high school library. Bul. Ill. Assn. of Teach. of Engl., 9:4:1. (9000)

" An association at work. Engl. J., 6:3:198. (500)

PEASE, THEODORE C.

(1) Book notices:

The pioneers of Morgan county, by Logan Esarey. Miss. Val. Hist. R., 3:1:119. (200)

" Story of Dr. John Clark, by Thomas W. Bicknell. *Ibid.*, 3:4:534. (450)

" (2) Original reviews:

The Jefferson-Lemen compact, by Willard C. McNaul. *Ibid.*, 3:2:252. (900)

" (4) Books:

The Leveller movement. Am. Hist. Assn., Washington, 1917. pp. ix, 406.

PERCIVAL, OLIVE B.

See HARRISON, FLORENCE

PIERCE, NORVAL H.

(3) Articles:

Nonoperative treatment of otitis media. J. Am. Med. Assn. 68:11. (1984)

" Involvement of the labyrinth by way of the ductus endolymphaticus. Ann. of Otol. Rhin. and Laryng., 25:4:881. (2321)

POMEROY, JOHN N.

(3) Articles:

A problem for Chicago lawyers. Ill. Law Bul., 2:50. (1000)

PORTER, F. M.
(4) Books:
joint authorship.
Mechanical drafting. The Manual Arts Press, Peoria, Ill., 1916. pp. i, 224.

PORTER, JOHN L.
(3) Articles:
Some painful affections of the feet. Ill. Med. J., Feb., 1917.

PRUCHA, M. J.
(3) Articles:
Germ content of milk as influenced by the barn factors. Bul. Univ. of Ill. Ag. Exp. Sta., 199:50.

RADEBAUGH, G. H.
(3) Articles:
How to get a closer fit between the factory and the tool-supply room. Factory Mag. of Manag., Dec., 1916. (1500) 10 views.

RAHN, CARL
(3) Articles:
Sensation and its bodily conditions. Psychol. Monog. 21:4:55. (9000)
" The principle of dynamogenesis in psychology. *Ibid.*, 21:4: 80. (8000)

RAYNER, W. H.
(1) Book notices:
Commercial education in Germany. Educ. Admin. and Super. 2:9:588. (400)
" (3) Articles:
Planimeter and plane-table for railway-valuation work. Eng. Rec., 74:8:239. (300)
" The co-ordination of teaching and research. Eng. Educ., 7:8: 505. (1800)

REED, C. O.
(3) Articles:
Mower hints worth heeding. Country Gent., 81:23.
" Conducting a plowing match. Breeder's Gaz., June 22, 1916.
" Disc harrow adjustments. Prairie Farmer, 89:2.
" Adjusting grain drills and corn planters. *Ibid.*, 89:7.

RICH, JOHN L.
(2) Original reviews:
Petrographic descriptions for the "Geology and underground water resources of Luna county, New Mexico", by N. H. Darton. Bul. U. S. Geol. Sur., 618. (3600)
" (3) Articles:
Oil and gas in the Birds quadrangle. Bul. Ill. State Geol. Sur., 33:41. (14,700)
" Oil and gas in the Vincennes quadrangle. *Ibid.*, 33:28. (10,000)
" An instance of the changing value of geographical location. J. Geogr., 15:185. (1900)
" Local glaciation in the Catskill mountains. Bul. Geol. Soc. Am., 28:133. (360)

RICKER, N. C.

(3) Articles:

Addr. DesMoines, Iowa convention of Iowa architects on Illinois license law for architects. (2000)

RIETZ, H. L.

(1) Book notices:

The mathematical theory of probabilities, by Arne Fisher. Rec. Am. Inst. Act., 5:11:44. (750)

" U. S. Life tables, prepared by division of vital statistics under the supervision of J. W. Glover. Bul. Am. Math. Soc., 23:7:332. (750)

" (2) Original reviews:

Some formulas connected with the calculation of annual dividends on the contribution plan. Rec. Am. Inst. Act., 5:12:135. (400)

" (3) Articles:

The operation of pension laws in foreign countries. Report Ill. Pens. Laws Com., 1:2:19. (6500)

" Mortality tables for valuing life estates. Rec. Am. Inst. Act., 5:11:73. (700)

" with CAMPBELL, D. F.

Actuarial report on pension funds of Illinois. Report Ill. Pens. Laws. Com., 1:5:72. (38,000)

" with HOOKER, GEORGE E.

Underlying principles of a pension plan. *Ibid.*, 2:1:271. (5800)

" with CAMPBELL, D. F., and HOOKER, GEORGE E.

Outline of a pension plan on a reserve basis, and provisions for bringing existing pension funds in Illinois under this plan. *Ibid.*, 2:2:285. (7000)

ROBERTSON, W. S.

(3) Articles:

The Juntas of 1808 and the Spanish colonies. Engl. Hist. R., 31:124:573. (5500)

" A brief list of books on the social sciences. Educ. Admin. and Super., 2:6:371. (1500)

" The position of Brazil. Nation, 104:2695:208. (1500)

" Argentina's attitude to the war. *Ibid.*, 104:2696:234. (1000)

" An opportunity in Argentina. *Ibid.*, 104:2697:290. (800)

" Chili and the world war. *Ibid.*, 104:2698:305. (1800)

ROBINSON, CHARLES MULFORD

(1) Book notices:
Reviews of third and fourth annual reports, art jury of Philadelphia. Nat. Munic. R., 5:3:532. (400)

" (2) Original reviews:
Recent city planning reports. *Ibid.*, 5:3:388, and 5:4:638. (5000)

" (3) Articles:
Real estate men and city planning. Nat. Real Estate J., Mar., 1917. (1700)

" Getting the business. Land. Arch., 7:3:144. (4400)

RUCKMICH, CHRISTIAN A.

(2) Original reviews:
Holt's Froudian wish. Psychol. Bul., 13:7:276. (1000)

" (3) Articles:
New laboratory equipment. Am. J. Psychol., 27:4:530. (7000)

" A study of visual rhythm. Psychol. Bul., 14:2:45. (800)

RUDWIN, MAXIMILIAN J.

(2) Original reviews:
The supernatural in tragedy, by Charles Edward Whitmore. J. Engl. and Germ. Phil., 16:2:310. (3000)

" The modern drama, by Ludwig Lewisohn. Open Court, 30:9:572. (1800)

" (3) Articles:
Modern passion plays. *Ibid.*, 30:5:278. (15,000)

" Passion play literature. Bul. of Bibliog., 9:3:66. (4000)

" Constantine Constantinovitch. Open Court, 30:5:315. (600)

" Hebbel and the devil. Pub. Mod. Lang. Assn. of Am., 32:1:4. (60)

RUTH, W. A.

See STEVENS, F. L.

SARETT, LEW R.

(3) Articles:
The expert judge of debate. Q. J. of Pub. Speak., 3:2. (2000)

SAVAGE, T. E.

(3) Articles:
Geologic structure of the Canton and Avon quadrangles. Bul. Ill. State Geol. Sur., 33:27. (4000)

" The geology and mineral resources of the Springfield quadrangle. *Ibid.*, 20:97. (14,400)

" Alexandrian rocks of north-eastern Illinois and eastern Wisconsin. Bul. Geol. Soc. Am., 27:2:305. (9000)

" The loess in Illinois; its origin and age. Trans. Ill. Acad. Science, 8:100. (7000)

" with VAN TUYL. F. M.
The University of Illinois Hudson bay expedition. Science, 44:1140:632. (650)

SCHMIDT, EDWARD C.
(3) Articles:
with DUNN, H. H.
Tractive resistance on curves of a 28-ton electric car. Bul. Univ. of Ill. Eng. Exp. Sta., 92:51. (8000)
Passenger train resistance. Bul. Am. Ry. Eng. Assn., 18. (2500)
" (4) Books:
Section on "Railway Engineering" in The Mechanical Engineers Handbook. McGraw-Hill Book Co., 24. (12,000)

SCHLOMOVITZ, BENJ. H.
(1) Book notices:
New book on the heart, by MacKenzie. Med. R. of R., 27:1:59. (600)
" (3) Articles:
with CHASE, C. S.
Localization of a primary pacemaker in the turtle's heart. Am. J. Physiol., 41:1:112. (4000)

SCHNELLBACH, J. F.
See BARTOW, EDWARD

SCHOENBERG, A. J.
(2) Original reviews:
Pono operation for fibrous tumors complicating pregnancy. Surg. Gyn. and Obst., 24:4:507. (800)

SCOVILL, H. T.
(3) Articles:
How to make figures talk. Year Book Ill. Retail Cloth. Assn., 1917. 69. (5500)

SCHWARTZ, G. F.
(3) Articles:
Music in America during revolutionary times. Etude, 34:8. (2500)
" (4) Books:
Harmonic analysis. Badger, Boston, 1917. 36.

SEARS, GEORGE W.
(1) Book notices:
Chemistry in the high school. J. Am. Chem. Soc., 38:7:1437. (300)

SEELY, FRED B.
See MOORE, H.F.

SHAW, JAMES B.
(1) Book notices:
The human worth of rigorous thinking, by C. J. Keyser. Bul. Am. Math. Soc., 23:7:315. (1000)
" Combinatory analysis, by P. A. MacMahon. Science, 45:1165:409. (4000)
" (3) Articles:
Logistic and the reduction of mathematics to logic. Monist, 26:3:397. (8000)

SHELFORD, V. E.

(3) Articles:

Marine animals from different depths. Puget Sound. Marine Sta. Pub., 1:14:157. (8500)

" Physiological characters of marine animals. Trans. Am. Fish. Soc. 45:3:191. (2500)

" Behavior agreement in communities. Trans. Ill. Acad. Sci., 8:1. (1000)

" Poisoning of fishes with gas wastes. Trans. Am. Fish. Soc., 46:2: 73. (1500)

" Effects of gas wastes on fishes. Bul. Ill. State Lab. Nat. Hist., (12,000)

" Ideals and aims of the ecological society of America. Bul. E. S. A., 1:3:1. (1500)

" Laboratory instruction in behavior and ecology. School Sci. and Math., 17:5:388. (10,000)

SIMMONDS, WALTER E.

See MOORE, JOSIAH J.

SISAM, CHARLES H.

(3) Articles:

On a configuration on certain surfaces. Bul. Am. Math. Soc., 22:8:381. (1200)

" On sextic surfaces having a nodal curve of order eight. Am. J. of Math., 38:4:373. (7000)

SMITH, FRANK

(3) Articles:

North American earth worms of the family Lumbricidae in the collections of the United States national museum. Proceed. U. S. Nat. Museum., 52:157. (19,000)

" The correlation between the migratory flights of birds and certain accompanying meteorological conditions. Wilson Bul., 29: 32. (1100)

" with GREEN, BESSIE R.

The porifera, oligochaeta, and certain other invertebrates in the vicinity of Douglas Lake, Michigan. Report Mich. Acad. Sci., 17:81. (1300)

" with WOOD, NORMAN A., and GATES, FRANK C.

The summer birds of the Douglas Lake region, Cheboygan county, Michigan. Museum Zool. Univ. of Mich., 27:1. (6500)

SMITH, G. McP.

See BALL, T. R.

SMITH, L. H.

(3) Articles:

Twenty years of corn breeding. Orange Judd Farmer, 61:19. (2000)

STEBBINS, JOEL

(3) Articles:

Measuring the light of stars. Pop. Sci. Month., 88:824. (2000)

" Selenium photometry of stars. Observatory, 39:257. (3500)

" The aurora of August 26, 1916. J. Royal Astron. Soc. of Canada. 11:133. (600)

STEVENS, F. L.

(3) Articles:

Three strawberry fungi which cause fruit rots. Science, 41:912.

" A convenient, little known method of making micro-mounts of fungi. Phytopathology, 6:367.

" The genus meliola in Porto Rico. Ill. Biol. Monog. 2:1.

" Collecting plants in Porto Rico. J. N. Y. Bot. Garden, 17:82.

" Noteworthy Porto Rican plant diseases. Phytopathology, 7:130.

" with PETERSON,

Some new strawberry fungi. *Ibid.*, 6:258.

" with RUTH, W. A.

Observations on pear blight in Illinois. Trans. Ill. State Hort. Soc., Apr., 1917.

STEVENS, JAMES G.

(1) Book notices:

Readings in social problems, by A. B. Wolfe. Ann. Am. Acad. Pol. and Soc. Sci. 70:159:332. (250)

" Poverty and social progress, by Maurice Parmelee. *Ibid.*, 69:158: 285. (550)

" Illinois County Institutions. Nat. Munic. R., 5:3:523. (600)

" The function of socialization in social evolution, by E. W. Burgess. Sewanee R., 25:2:253. (150)

" The long road of woman's memory, by Jane Addams. *Ibid.*, 25: 2:253. (125)

" (3) Articles:

The coördination of public and private agencies. Proceed. Third Ann. Con. Munic. League, 15. (3000)

STEWART, CHARLES L.

(4) Books:

Land tenure in the United States with special reference to Illinois. Univ. of Ill., Urbana, 1916. pp. i, 127.

STEWART, ROBERT

(3) Articles:

Nitrous nitrogen in irrigated soils. Soil Sci., 3:2:149. (2300)

" Nitric nitrogen content of the country rock. *Ibid.*, 2:4: 344. (7000)

" Alkali content or irrigation water. Bul. Utah Exp. Sta., 1. (8000)

STOEK, H. H.

(3) Articles:

Mine models. Bul. Am. Inst. Min. Eng., Apr. 1917. (3000)

" State mine rescue stations. Proceed. Am. Min. Cong., 1916. (3000)

TALBOT, A. N.

(3) Articles:

Principles governing the design of flat slab reinforced concrete floors. Proceed. Am. Soc. of Civil Eng., Dec. 1916, pp. 10.

TANNER, FRED W.

(3) Articles:

Comparison of the number of water bacteria growing on agar at 37°C and on gelatin at 20°C. Bul. Univ. of Ill. Water Sur. Series, 12:242. (3000)

See also BARTOW, EDWARD

THOMPSON, JOHN G.

(3) Articles:

Two dimensions of productivity-discussion. Am. Econ. R., 7:1:59. (375)

" The land problem and rural welfare-discussion. *Ibid.*, 7:1:112. (600)

TICE, FREDERICK

(3) Articles:

Some cases of diabetes mellitus with complications. Med. Clin. of Chicago, 2:1:13. (4255)

" Diabetes mellitus with acidosis. *Ibid.*, 2:1:29. (2590)

" Carcinoma of the head of the pancreas. *Ibid.*, 2:2:303. (2700)

" Chronic bronchitis, empysema and marked cyanosis. *Ibid.*, 2:2:311. (2220)

" Case presenting Addison's syndrome. *Ibid.*, 2:3:547. (3700)

" Gangrene of the lung; special reference to treatment. *Ibid.*, 2:3:557. (3330)

" Pericardio-mediastinitis secondary to acute plastic pericarditis. *Ibid.*, 2:4:657. (1110)

" Pulmonary abcess following delayed resolution in croupous pneumonia. *Ibid.*, 2:4:661. (2960)

" Rectal stricture following operation for hemorrhoids. *Ibid.*, 2:4:671. (740)

" An abdominal aneurysm. *Ibid.*, 2:4:673. (2200)

" Case of amebic dysentery. *Ibid.*, 2:4:679. (550)

" Anaphylaxis. *Ibid.*, 2:5:863. (5920)

" Luetic infection of the lungs. *Ibid.*, 2:6:1253. (3350)

" Clinical study of labor pneumonia with special reference to prognosis. Ill. Med. J., 30:6:388. (950)

TRELEASE, WILLIAM

(1) Book notices:

Abstracts of American publications on systematic botany. Botanisches Centralblatt. (Through the year)

" (3) Articles:

Two new terms, cormophytaster and xeniophyte, axiomatically fundamental in botany. Proceed. Am. Phil. Soc., 55:3:237.

" Thomas Jonathan Burrill. Bot. Gaz., 76:2:153. (portrait)

" The oaks of America. Proceed. Nat. Acad. Sci., 2:626.

" Samulla. Stand. Cy. Hort., 6:3069.

" Yucca. *Ibid.*, 3529-3531.

" (4) Books:

The genus phoradendron. Univ. of Ill., Urbana. pp. 224. 246 plates.

VAN CLEAVE, H. J.

(1) Book notices:

Review of Petrunkevitch's morphology of invertebrate types, by Curtiss. Science, 45:1154:142. (600)

" (3) Articles:

Filicollis botulus n. sp., with notes on the characteristics of the genus. Trans. Am. Micr. Soc., 35:2:131. (1000)

" A revision of the genus arhythmorhynchus, with descriptions of two new species from North American birds. J. Parasitol., 2:4:167. (4200)

" Acanthocephala of the genera centrorhynchus and mediorhynchus (new genus) from North American birds. Trans. Am. Micr. Soc., 35:4:221. (4400)

" Thomas Jonathan Burrill. *Ibid.*, 35:4:279. (450)

" The relative proficiency of university students in the elementary course in zoology. School and Soc., 5:117:356. (1650)

VAN TUYL, FRANCIS M.

(3) Articles:

The geodes of the Keokuk beds. Am. J. of Sci., 42:34. (4000)

" New points on the origin of dolomite. *Ibid.*, 42:249. (5600)

" The present status of the dolomite problem. Science, 44:1141:688. (2000)

" A contribution to the oölite problem. J. Geol., 24:8:792. (1500)

" The western interior geasyncline and its bearing on the origin and distribution of the coal measures. *Ibid.*, 25:2:150. (2000)

" The lithogenesis of the sediments. Proceed. Ia. Acad. Sci., 23:163. (1200)

" The origin of dolomite. Ia. Geol. Sur., 25:251. (54,000)

" See also SAVAGE, T. E.

WARD, HENRY B.

(1) Book notices:

Die Tierischen parasiten des menchen, by Max Braun. J. Parasitol., 2:201. (1475)

" The animal parasites of man, by H. B. Fanthan, J. W. W. Stephens, F. V. Theobald. *Ibid.*, 3:139. (800)

" Japanese medical literature. *Ibid.*, 3:42:140. (200)

" (3) Articles:

Notes on two free-living larval trematodes from North America. *Ibid.*, 3:10, 1 plate. (4450)

" Notes on some nematodes from fresh water fishes. *Ibid.*, 3:57, 1 plate. (3000)

" Echinorhynchus moniliformis in North America. *Ibid.*, 3:141. (480)

" Trematoda. Reference hand book of medical sciences, rev. ed., 8.

WASHBURN, E. W.

(3) Articles:

The measurement of electrolytic conductivity.

1. The theory of the design of conductivity cells. J. Am. Chem. Soc., 39:11:2431. (12,000)
2. The telephone receiver as an indicating instrument for use with the alternating current bridge. *Ibid.*, 40:2:235. (4000)

WATSON, F. R.

(3) Articles:

with WHITE, JAMES M.

The correction of echoes and reverberation in the auditorium at the University of Illinois. Bul. Univ. of Ill. Eng. Exp. Sta., 87.

" with BOOTH, H. T.

An acoustical thermometer. Phys. R., 9:339. (400)

WEILAND, H. J.

See BARTOW, EDWARD.

WELKER, WILLIAM H.

(3) Articles:

Recent advances in chemistry and their relation to the progress of medicine. Univ. of Ill. Circ., 3:3: (2408)

with FALLS, F. H.

Studies on blood serum: the determination of non-colloidal nitrogen. J. Biol. Chem., 25:3:567. (400)

WHEELER, RUTH

(1) Book notices:

Household chemistry. J. Am. Chem. Soc., 39. (375)

" (3) Articles:

The war and dietetics. J. Home Econ., 8:9:488. (1000)

WHIPPLE, GUY M.

(1) Book notices:

The individual delinquent; a text book of diagnosis and prognosis for all concerned in understanding offenders, by William Healy. J. Educ. Psychol., 7:454. (1000)

" (3) Articles:

Mentality tests; a symposium. *Ibid.*, 7:357. (1200)

" The fallacious curve. *Ibid.*, 7:297. (500)

" School progress of gifted children. *Ibid.*, 7:298. (750)

" The use of mental tests in vocational guidance. Ann. Am. Acad. Pol. and Soc. Sci., May, 1916, 193. (4200)

" (4) Books:

How to study effectively. Public School Pub. Co., Bloomington, Ill., 1916. pp. ii, 60.

WHITE, JAMES M.

See WATSON, F. R.

WHITFORD, ROBERT C.

(1) Book notices:
Madame de Staël and the spread of German literature, by Emma Gertrude Jaeck. S. Atlant. Q., 15:3:282. (800)
" The contemporary short story, by Harry T. Baker. Educ., 37:6:398. (400)
" English composition as a social problem, by S. A. Leonard. Dial, 62:739:316. (250)
" St. Jean de Crevecoeur, by Julia Post Mitchell. S. Atlant. Q., 16:2:179. (500)
" (3) Articles:
Two notes of Madame de Staël. Mod. Phil., 14:7:103. (1500)
" Mothers of men (Poem). Ajax, 1:5:11. 9 lines.
" Easter morning (Poem). *Ibid.*, 1:6:2. 24 lines.
" Bathsheba (Poem). Poetry, 10:2:83. 15 lines.

WHITING, ALBERT L.

(3) Articles:
with HOPKINS, C. G.
Soil bacteria and phosphates. Bul. Univ. of Ill. Ag. Exp. Sta., 190:12 (6600). Science, 1129:246-249. (2300)
" Methods of criticism of soil bacteria and phosphates. Science, 44:1140:649. (2400)
" (4) Books:
Soil biology laboratory manual. John Wiley & Sons, New York, 1917. pp. ii, 152.

WILLARD, ARTHUR C.

(4) Books:
Mechanical equipment of buildings. vol. 1. John Wiley & Sons, New York, 1916. pp. vi, 615.

WILLIAMS, CHARLES ALLYN

(1) Book notices:
Icelandic authors of today, by H. Hermannsson. Pub. Soc. for Adv. of Scand. Study, 2:279.
" Valentin Andreae's Christianopolis, by F. E. Held. School R., 24:710.
" (3) Articles:
A German song of 1778 relating to mercenaries in America. Deutsch-Am. Gesch., 15:361.

WILLIAMSON, CHARLES SPENCER

(3) Articles:
Influence of age and sex on hemoglobin. Arch. of Int. Med., 18:505. (10,000)

WILSON, LEROY A.

(3) Articles:

Caution in use of pitot tube. Power, 44:9:311. (650) 3 fig.

" Action of venturi meter with pulsating flow. *Ibid.*, 44:12:425. (600) 1 fig.

" Abnormal speed variation in corliss engine. *Ibid.*, 44:22:764. (250) 2 fig.

" Accuracy of temperature determinations. *Ibid.*, 45:9:273. (500)

" Design of steam pipe lines. *Ibid.*, 45:14:445. (400)

" Operating the car without the battery. Aut. Trade J., 21:1:183. (300) 1 fig.

" Automobile starter lock. *Ibid.*, 21:2:165. (150) 2 fig.

" Grinding valves. *Ibid.*, 21:3:163. (350) 3 fig.

" Engine trouble from loose stud bolt. *Ibid.*, 21:7:320. (150)

" Valve stem lubrication. *Ibid.*, 21:7:323. (175) 1 fig.

" Overhauling a storage battery. *Ibid.*, 21:8:259. (400) 1 fig.

" To seal gasoline joints. *Ibid.*, 21:8:260. (150)

WILSON, W. M.

(3) Articles:

The design of wind bracing in steel skeleton construction. Handbook for Arch and Build., 19:253. (4000)

" Things we do not know about structural engineering. J. West. Soc. of Eng., 21:793. (3800)

" How can professional misfits in engineering be avoided? Eng. News, 76:388. (1200)

with MOORE, H. F.

" Strength of webs of I-beams and girders. Bul. Univ. of Ill. Eng. Exp. Sta., 86:13:50. (10,000)

WOLFE, W. S.

(3) Articles:

Graphical analysis of complex reinforced-concrete beams. Eng. Rec., 75:12:473. (700) 14 fig.

" Diagram for use in designing and checking cast iron O-Gee washers. Eng. and Cont., 47:13:296. (300) 1 fig.

" Graphical determination of the stresses in eccentrically loaded reinforced concrete columns. *Ibid.*, 47:17:386. (1000) 10 fig.

WYATT, F. A.

(3) Articles:

Influence of calcium and magnesium compounds on plant growths. J. Ag. Res., 6:16:589. (7000)

YOUNG, C. M.

(3) Articles:

Mine water. Coal Age, 10:18:704.

" The pyrite found in coal. *Ibid.*, 11:1:9.

YOUNG, L. E.

(4) Books:

Mine taxation in the United States. Univ. of Ill. Studies in the Soc. Sci., Urbana, 1916, pp ii, 265.

" Surface subsidence in Illinois. Bul. Ill. State Geol. Sur., 17, Urbana, 1916, 112.

with STOEK, H. H.

" Subsidence resulting from minning. Bul. Univ. of Ill. Eng. Exp. Sta., Urbana, 1916, pp. ii, 200.

ZEITLIN, JACOB

(3) Articles:

The English verbal as adverb. Neophilologus, 2:123. (2500)

" Philosophy for school boys. Nation, 104:348. (1000)

ZELENY, CHARLES

(3) Articles:

Studies on the factors controlling the rate of regeneration. Ill. Biol. Monog., 3:1:1. (76,000)

" A comparison of the rates of regeneration from old and from new tissue. Proceed. Nat. Acad. Sci., 2:8:484. (100)

" The effect of successive removal upon the rate of regeneration. *Ibid.*, 2:8:487. (1800)

" The effect of degree of injury, level of cut and time within the regenerative cycle upon the rate of regeneration. *Ibid.*, 3:3:211. (2600)

UNIVERSITY OF ILLINOIS
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION—UNIVERSITY OF ILLINOIS

MAY 1, 1917—APRIL 30, 1918

The publications of the faculty of the University of Illinois during the year ended April 30, 1918, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

(1) Book Notices:
A Class Book of Organic Chemistry. J. Am. Chem. Soc., XL:4:731.

" (3) Articles:
With Wirth, W. V., French, H. E.
Oxalyl Chloride as a Reagent in Organic Chemistry. J. Am. Chem. Soc., XL:2:424.
" The Present Opportunity in Chemistry. School Sci. and Math., 18:1:57.
" The Present Opportunity in Chemistry. Bul. Univ. of Ill., 15:15:324.
" Manufacture of Organic Chemicals at the University of Illinois. Science, 47:1210:225.
" Organic Chemical Reagents for Scientific and Technical Laboratories. J. Ind. and Eng. Chem., 9:7:685.

ANDEREGG, F. O.

(3) Articles:
Chemical Reactions in the Corona I. Ozone Formation. J. Am. Chem. Soc., 39:12:2581. (5000)

ANDREWS, J. B.

(3) Articles:
With Handschin, W. F.
The Use of Farm Labor During the War. Univ. of Ill. Ag. Exp. Sta. Ext. Cir. No. 20 (11 p.)

BAILEY, E. W.

(1) Book Notices:
The Apple, by Albert E. Wilkinson. Garden Club, 1:5. (350)
" The Strawberry in North America, by S. W. Fletcher. *Ibid.*, 1:5. (300)

(3) Articles:
" Pomological Field Laboratories. Proc. Amer. Soc. for Hort. Sci., 14:1917: 104. (2000)
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WASHBURN, E. W.

(3) Articles:

The Determination of the Audibility Current of a Telephone Receiver with the Aid of the Wheatstone Bridge. Proc. Inst. Radio Engineers, 6:99. (2000)

" The Equivalent Conductance of Electrolytes in Dulite Aqueous Solution. I. The Water Correction. J. Am. Chem. Soc., 40:106. (5800)

" The Equivalent Conductance of Electrolytes in Diulte Aqueous Solutions. II. The Extrapolation of Conductivity Data to Zero Concentration. *Ibid.*, 40:122. (3200)

" The Equivalent Conductance of Electrolytes in Dilute Aqueous Solutions. IV. Two Laws Governing the Ionization Equilibrium of Strong Electrolytes in Dilute Solutions and a New Rule by Means of which the Equivalent Conductance at Infinite Dilution can be Determined from a Single Conductance Measurement. *Ibid.*, 40:150. Also Proc. Nat'l Acad. Sci., 3:569. (2500)

" The Latent Heats of Fusion of Lime and Magnesia. Trans. Am. Ceram. Soc., 19:195. (1700)

" Ceramics and the War. Metallurgical and Chem. Eng., 18:253. (2700)

" The Organization of our Ceramic Resources for National Service. Clayworker, 69:542. (1600)

WATKINS, GORDON

(1) Book notices:

Collective Bargaining in the Lithographic Industry. By H. E. Hoagland, Am. Pol. Sci. R., XII:2:337. (100)

" Contemporary Theories of Unemployment, and Unemployment Relief. By Frederick C. Mills. *Ibid.*, XII:2:337. (100)

(4) Books:

" A Survey of the Revenue System of Delaware County, Pennsylvania; With Especial Reference to the Methods of Assessment and Collection of Taxes. Champaign, Ill., 1918, pp. 80.

WATSON, F. R.

(3) Articles:

Recent Developments in Acoustics of Buildings. School Sci. and Math., XVII:680. (1700)

" Acoustics of Buildings from the Standpoint of Music. Proc. of Music Teachers' Nat. Assoc., 12:72. (1550)

" A Megaphone with a Rectangular Aperture. Physical R., IX:2:244. (Abs. 500)

WELKER, WM. H.

(3) Articles:

With Frederick H. Falls

Studies on Blood Serum. II. The Influence of Pancreatic Digestion on the Proteolytic Activity and the Non-Colloidal Nitrogen Content. J. Biol. Chem., 32:3:509. (1432)

" Studies on Blood Serum. III. The Influence of Pregnancy on the Proteolytic Activity. *Ibid.*, 32:3:515. (503)

" Studies on Blood Serum. IV. The Influence of the Puerperium on the Proteolytic Activity. *Ibid.*, 32:3:519. (613)

" Studies on Blood Serum. V. Proteolytic Activity as Affected by "So Called Antitryptic Adsorbents." *Ibid.*, 32:3:521. (1001)

WESTERGAARD, H. M.

(3) Articles:

The Resistance of a Group of Piles. W. Soc. Eng., J., 22:704. (3800 and diagrams.) Also in Canadian Engineer, 34:320.

WHEELER, LUCILE

(3) Articles:

The Place of the Market Basket in a High School Course in Foods. Bul. Univ. of Ill., 14:19:158.

" Corn and Corn Products Used as Food. Univ. of Ill. Ext. Cir. No. 9, p. 19.

" Wheatless Muffins. Am. Cookery Mag., 22:8:596.

" Conservation and Club Work. J. Home Econ., 10:3:120.

WHITE, E. A.

(3) Articles:

A Study of the plow bottom and its action upon the furrow slice. J. Ag. Research, XII:4:149. (5000)

" The farm machinery situation. Univ. of Ill. Ag. Exp. Sta. Cir. No. 210. (1700)

" Relation of tractor to horse in farm work. Farm Imp. News, 39:5:42. (2000)

" Extension of power farming education. *Ibid.*, 39:13:22. (1200)

" Machinery preparedness for the big drive. Power Farming, 27:4:8. (1200)

WHITFORD, ROBT. C.

(1) Book notices:

English Biography. By Waldo H. Dunn. So. Atlan. Q., XVI:4:374. (550)

(4) Books:

" Madame de Staël's Literary Reputation in England. Univ. of Ill. Studies in Lang. and Lit., IV:1. pp. 60.

WILEY, C. C.

(3) Articles:

Concentration of Expansion Stresses due to Imperfect Grouting the Cause of Brick Pavement Failures. Munic. Eng., LIII:5:180. (850)

" Tests Show Advantages of Laying Brick Directly on Concrete Base. Eng. News Rec., 79:18:820. (2500)

" Old Sand-Filled Brick Pavement Relain Monolithically. Munic. Eng., LIII:5:207. (300)

" Who is to Blame? *Ibid.*, LIII:4:158. (350)

" Some of the Phenomena of Road Drainage. Am. City, XVIII:4:301. (2300)

WILLARD, ARTHUR C.

(3) Articles:

The Economical Purchase and Use of Coal for Heating Homes with Special Reference to Conditions in Illinois. Univ. of Ill. Eng. Exp. Sta. Cir. No. 4, 14:46. (58 p.)

" Heating, Cooking, and Laundry Equipment of the National Army Cantonments. W. Soc. Eng. J., 22:10:682. (8000 and 7 illus.)

" With Lichty, L. C.

A Study of the Heat Transmission of Building Materials. *Ibid.*, No. 102. 15:12. (60 p.)

(4) Books:

" Mechanical Equipment of Buildings. Vol. II. Power Plants and Refrigeration. John Wiley and Sons, Inc., New York, 1917, pp. vii, 759.

WILLIAMS, C. A.

(2) Original reviews:

Max Steidel. "Die Zecher und Schlemmerlieder im deutschen Volksliede bis zum Dreissigjahrigen Kriege." Karlsruhe, 1914. J. Eng. and Ger. Philol., 17:295.

(3) Articles:

" Peter Laurenberg and Fischart (note). Mod. Lang. Notes, 32:120.

" German Stanzas from Joh. Werlin's "Rhythmorum Varietas". *Ibid.*, 32:146.

" An Early German Student Song from a Vatican MS. J. Eng. and Ger. Philol., 17:214.

WILLIAMS, LEWIS W.

(1) Book notices:

Establishing Industrial Schools. By H. R. Smith. J. Educ. Admin. and Super., 3:10:612. (300)

(2) Original reviews:

" Science Teaching. By Geo. R. Twiss. J. Educ. Admin. and Super., 3:10:602.

(3) Articles:

" Preliminary Report on the Standardization of the Physics Unit. Proc. H. S. Conference, 1917. Bul. 19, School of Educ., 15:15:318. (2500)

WILSON, LEROY A.

(3) Articles:

Trouble with Long Intake Pipe. Automobile Trade J., XXI:12:258. (300)

" Lowering the Grade of Gasoline. Automobile and Automotive Industries, XXXVII:12:511. (300)

" Removal of Inaccessible Stud. Automobile Trade J., XXII:5:187. (125 and illus.)

" Some Notes on Electrical Dynamometer Installation. Sibley J. Eng., 32:2:24. (1800 and illus.) Also in Aerial Age Weekly, 6:16:700.

" Protecting the Shock Absorbers. Automobile Trade J., XXII:6:285. (400)

WINDSOR, P. L.

(3) Articles:

Standardization of libraries and certification of librarians. Bul. Am. Library Assoc., 11:4:135. (3800)

" The Association of American Library Schools. *Ibid.*, 11:4:160. (1100)

WOLFE, W. S.

(3) Articles:

Diagrams Facilitate Design of Office Building and Mill Building Columns under Eccentric Load. Eng. News Rec., 78:13:632.

" Graphical Analysis of Stresses in Complex Column Sections. Eng. and Contr., 47:21:472.

" The Graphical Determination of the Moment of Inertia of Complex Beam Sections. *Ibid.*, 47:26:577.

" Graphical Determination of the Maximum Moments Produced in a Turntable. *Ibid.*, 48:4:72.

" Graphical Solution of Continuous Beams. *Ibid.*, 48:13:244.

" A Simple Method of Designing a Double Reinforced Concrete Beam. *Ibid.*, 48:17:329.

" Diagram for use in Designing Timbers, Columns. *Ibid.*, 48:22:436.

" Graphical Method of Finding Moments in Continuous Frame of a Girder and Two Fixed Columns. *Ibid.*, 49:4:76.

YOUNG, C. M.

(3) Articles:

Boiler Room Ventilation. Coal Age, XII:187. (300)

" Method of Stocking Coal with Motor Trucks. Black Diamond, LIX:108. (2000)

" On the Recovery of Coal. Coal Age, XII:454. (1200)

" Convict Labor in Mines. *Ibid.*, XII:692. (900)

" The Coal Industry of Illinois. Am. Inst. Min. Engineers, Bul. 129:1369. (8000)

" Valuable By-Products of Coal Mining. Coal Ind., I:11. (1800)

" Heating of Coal in Piles. Am. Inst. Min. Engineers, Bul. 134:211. (1000)

" Shotfiring re Explosions. Coal Age, XIII:430. (500)

(4) Books:

" Percentage of Extraction of Bituminous Coal with Special Reference to Illinois Conditions. Univ. of Ill. Eng. Exp. Sta., Urbana, 1917, pp. 159.

ZEITLIN, JACOB

(2) Original reviews:

Rise of English Literary Prose. By Knapp. J. Eng. and Ger. Philol., XVI:484. (5000)

(3) Articles:

" Grammar, Logic, Rhetoric. Bul. Ill. Assoc. Teachers of English, X:3:1. (6000)

" Southey's Contributions to the Critical Review. Notes and Queries, Ser. 12:77:35. (7000)

ZELENY, CHARLES

(3) Articles:

Full-eye and emarginate eye from bar-eye in Drosophila without change in the bar gene. Anatomical Rec., 14:89. (250)

" Selection for high facet and for low facet number in the bar-eyed race of Drosophila. *Ibid.*, 14:91. (250)

UNIVERSITY OF ILLINOIS
LIBRARY-CHEMISTRY

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION UNIVERSITY OF ILLINOIS

MAY 1, 1918—APRIL 30, 1919

The publications of the faculty of the University of Illinois during the year ended April 30, 1919, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

(3) Articles:

Organic chemicals available at the University of Illinois. J. Am. Chem. Soc. 40:869. (3p.)

with Kamm, O.

Organic chemical reagents, I. Dimethylglyoxime. *Ibid.* 40:1281. (9p.)

with Kamm, O. and Marvel, C. S.

Organic Chemical reagents, II. Amylene, tertiary amyl alcohol. *Ibid.* 40:1950. (6p.)

Alkali insoluble phenols. *Ibid.* 41:247. (23p.)

with Vollweiler, E. H.

The reaction between acid halides and aldehydes, I. *Ibid.* 40:1732. (12p.)

with Rindfusz, R. E.

Cyclic ethers from o-allyl phenols. *Ibid.* 41:648. (17p.)

ALEXANDER, CHARLES P.

(3) Articles:

New nearctic crane-flies (tipulidae, diptera). Part V. Can. Ent., 50:158-165; 242-246.

A new interpretation of the wing-venation of the pediciine crane-flies (tipulidae, diptera). Ent N., 29:201-205. (Pl.)

New species of tipuline crane-flies from Eastern Asia. (tipulidae, diptera). J. N. Y. Ent. Soc., 26:2:66-75.

New species of crane-flies from California. (diptera). Ent. N., 29:285-288.

New nearctic crane-flies (tipulidae, diptera). Part VI. Can. Ent., 50:381-386; 411-416.

Records of Japanese crane-flies (diptera). Ann. Ent. Soc. Am., 11:4:443-449.

Notes on the genus dicranoptycha osten sacken (tipulidae, diptera.) Ent. N., 30:19-22.

The biology of the North American crane-flies. Part V. The genus dicranoptycha osten sacken. Pomona Coll. J. Ent. and Zool., 11:4:67-74.

Notes on the crane-flies of the Hawaiian Islands. Ann. Ent. Soc. Am., 12:25-30.

ALVORD, C. W.

(1) Book notices:

"Manuscripts from the Burton historical collection", by Burton. Miss. Val. Hist. R., 5:2:222. (350)

"President Wilson's foreign policy," by Scott. *Ibid.* 5:3:347. (600)

BAKER, FRANK C.

(2) Original reviews:

The animal world is a handful of algae. Guide to Nature, 10:12:376. (1930)

(3) Articles:

A new variety of fresh-water mussel from Oneida Lake, New York . N. Y. State Coll. of Forestry, Syracuse Univ. Technical Publication, No. 9:247. (380)

The relation of shellfish to fish in Oneida Lake, New York. *Ibid.* Cir. 21, (34p.) (16 illus.)

Post-glacial mollusca from the marls of Central Illinois. J. Geol., 26:7:659. (4350)

Descriptions of a new species and variety of planorbis from post-glacial deposits. Nautilus, 32:3:94. (1000)

Mollusks infested with parasitic worms. *Ibid.*, 32:3:97. (325)

Nidification of gillia and amnicola. *Ibid.*, 32:1:19. (2000)

(4) Books:

The productivity of invertebrate fish food on the bottom of Oneida Lake, with special reference to mollusks. N. Y. State Coll. of Forestry, Syracuse Univ., 1918. (265 p.) (44 plates and maps).

BAKER, IRA O.

(3) Articles:

Water in road contsruction. Am. City, 20:4:331. (2400)

(4) Books:

Revision and extension of Section 6 of American Civil Engineers' Pocket Book. John Wiley and Sons, New York, 1919. (92p.)

BALDWIN, E. C.

(3) Articles:

Early American literature. Warner Library, 10:10:443. (2800)

The English section. Univ. of Ill. Bul. 16:12:174. (500)

Israel and world peace. B'nai B'rith News, 11:6:8. (700)

Hebrew humanitarianism. *Ibid.*, 11:4:7. (600)

Wordsworth and Hermes. Pub. Mod. Lang. Assn. of Am., 533:2. (2000)

A Christian's call to Israel, Supplement, 1:2:4. (500)

BALDWIN, J. H.

see Rice, John B.

BALLANTINE, HENRY W.

(1) Book notices:

Handbook of military law, by Scott. Ill. Law R., 14:1. (June, 1919)

Source book of military law, by Wigmore. *Ibid.* 14:1. (June, 1919)

(2) Original reviews:

The army and the law, by Glenn. Ill. Law R., 1. (June, 1919).

(3) Articles:

Title by adverse possession. Harvard Law R., 32:135-159.

Claim of title in adverse possession. Yale Law J., 219:235.

The proposed new practice act. Ill. Law Bul., 2:149:162.

Adverse possession by trustee. Yale Law J., 28:488:491.

BAMBERGER, ARRIE

(3) Articles:

Acute septic infections of the fingers. Mod. Med., 1:1:43. (900)

BEAL, GEORGE D.

(3) Articles:

with Okey, Ruth.

A proximate analysis of rumex crispus, and a comparison of its hydrox-methyl-anthra-quinones with those from certain other drugs. J. Am. Chem. Soc., 41:4:693-706.

Chemistry's opportunity in pharmaceutical research. J. Am. Pharm. Assn., 8:4:260-267.

BEARD, J. HOWARD

(3) Articles:

Physical rejection for military service: some problems of reconstruction. Sci. Monthly, 9:1:5. (6000)

The finding of the draft and its relation to school problems. Proc. H. S. Conf. 1918, p. 262. (4000)

with Radebaugh, G. H.

First aid for factories and plants. Am. Machinist, 50:3:109. (3000)

BLACKWELDER, ELIOT

(3) Articles:

Notes on the summer birds of upper Yukon region, Alaska. Auk, 36:1:57.

BLUMBERG, HENRY

(3) Articles:

A theorem on semi-continuous functions. Bul. Am. Math. Soc., 24:8:381. (1400)

A theorem on exhaustible sets connected with developments of positive real numbers. Ann. Math., 20:2:136. (2000)

On convex functions. Trans. Am. Math. Soc., 20:1:40. (1800)

(4) Books:

with Barnet, I. A.

A short course in trigonometry for navy men. Y. M. C. A., U. S. Naval Training Station, Great Lakes, Ill., 1918, pp. i, 22.

BODE, B. H.

(3) Articles:

Consciousness as behavior. J. Philos., Psychol. and Sci. Meth., 15:17:449. (1800)

Mr. Russell and philosophic method. *Ibid.*, 15:26:701. (4200)

What is transfer of training? School and Soc., 9:211:39. (3800)

A reinterpretation of transfer of training. Educ. Admin. and Super., 5:3:105. (3200)

BOYER, C. V.

(1) Book notices:

Village literature in England. Nation, 108:2802:402. (2100)

(2) Original reviews:

The trend of recent critical theory. Sewanee R., 21:3:257. (6000)

BROTHERS, ELMER D.

(3) Articles:

Our first war with Germany—the American Revolution. Hamiltonian, 19:Nos. 3, 4, 5, 6. (12000)

Political unity of the English-speaking people. *Ibid.* Apr., 1919. (3600)

BUCKINGHAM, B. R.

(3) Articles:

Bureau of educational research: an announcement. School and Home Educ. 38:17-19. (2070)

Bureau of educational research: announcement, 1918-1919. Univ. of Ill. Bul. 16:5. (9150)

BULL, SLEETER

see Grindley, H. S.

BURGE, W. E.

(3) Articles:

Normal mechanism for the control of oxidation in the body. Am. J. Physiol., 46:No. 2.

Further study on the effect of food in increasing oxidation. *Ibid.* 47:No. 1.

The influence of the ingestion of the amino-acids, adequate and inadequate proteins upon the production of catalase. *Ibid.*, 47:No. 3.

How food and exercise increase oxidation in the body. Science, N. S., 48:No. 1233.

Reason for the helpful effect of alcoholic beverages in diabetes, states of depression and convalescence. *Ibid.*, 48:No. 1239.

The substitution of saccharin for sugar. *Ibid.*, 47: No. 1248.

The mode of action of certain stimulants in increasing and of certain depressants in decreasing oxidation. J. Pharmacol and Exp. Ther. 12:No. 4.

The value of saccharin as a food in diabetes. Med. Rec., Dec. 21, 1918.

The effect of acetone and of hydroxylbutyric and acetoacetic acids on the blood catalase. J. Biol. Chem., 37:No. 3.

BURLISON, W. L.

(3) Articles:

with White, E. A.

Selection and storage of seed corn. Univ. of Ill. Ag. Exp. Sta. Cir. 225. (5000)

with Handschin, W. F.

Grow more wheat in Illinois. *Ibid.*, Cir. 24. (2800)

with Stark, R. W.

Spring wheat for Illinois. *Ibid.*, Bul. 214. (2000)

with Flint, P. W.

Fight the chinch bug with crops. *Ibid.*, Cir. 30. (5000)

with Brooks, W. I.

Sweet clover production, *Ibid.*, Cir. 29. (3000)

More wheat for Illinois next year. O. Judd Farmer, 65:July 27, 1918. (1500)

Rye a worth whiel crop for Illinois. *Ibid.*, 65:July 20, 1918. (1200)

What is a good seed bed. *Ibid.*, 66:Feb. 1, 1919. (800)

Soy beans gain popularity. *Ibid.*, 66:Mar. 1, 1919. (1500)

see Dungan, George H.

CANTER, H. V.

see Oldfather, W. A.

CAPPS, A. G.

(3) Articles:

Cooperative study of the rural schools of Missouri. 69th Rep. of Public Schools of State of Mo., 36-95. (30,000)

Consideration of the general educational conditions in Missouri. Mo. School J., 36:3:100-105. (3000)

Comparison of Missouri's town and rural schools. *Ibid.*, 36:4:147. (2000)

Organization and administration of Education in Missouri. *Ibid.* 36:5:197. (3500)

Survey of the rural schools of Boone County, Missouri. *Ibid.*, 36:2:61. (1600)

CARMICHAEL, R. D.

(1) Book notices:

Electrical and Magnetic measurements, by C. M. Smith. Bul. Am. Math. Soc., 25:2:91. (200)

Elements of optics, by G. W. Parker. *Ibid.*, 25:5:234. (400)

(2) Original reviews:

Functions of two complex variables. Bul. Am. Math. Soc., 24:9:446. (3200)

A half-century of French mathematics. *Ibid.*, 25:4:180. (1700)

Points of view of Cauchy and Weierstrass in the theory of functions. *Ibid.* 25:5:230. (1900)

Modular systems. *Ibid.*, 25:6:276. (1100)

CARMICHAEL, R. D. (Cont.):

(3) Articles:

Solutions of a class of functional equations. Tohoku Math. J., 13:4:304. (5000)

Theory of summable series. Bul. Am. Math. Soc., 25:3:97. (14000)

Motives for the cultivation of mathematics. Sci. Monthly. 8:2:160. (8900)

Fermat numbers. Am. Math. Monthly. 26:4:137. (5500)

CARMICHAEL W. J.

see Rice, John B.

CARNAHAN, D. H.

(3) Articles:

The financial difficulties of Lamartine. Mod. Philol. 16:3:143. (2800)

CHARTERS, W. W.

(3) Articles:

The administration of methods of teaching. Educ. Admin. and Super., 4:5:237. (3200)

Preliminary observation of teaching. Ped. Sem., 25:245:50. (3000)

A rural school spelling study. Mo. School J., 35:9:398. (1700)

The readjustment of school curricula. Proc. H. S. Conf., 1918:21. (5600)

CHECKLEY, J. H.

see Rice, John B.

CLARK, A. H.

(3) Articles:

Dr. A. W. Chase's nerve pills. J. Am. Med. Assn., 71:10:884. (800)

Research and the United States pharmacopoeia. J. Am. Pharm. Assn., 8:1:13. (1800)

B-Iodine products. J. Am. Med. Assn., 72:5:365. (1200)

Natures remedy tablets. *Ibid.*, 72:11:815. (2000)

(4) Books:

A laboratory outline of quantitative analysis arranged for students of pharmacy. A. H. Clark. Chicago, 1918. pp.51.

CLARK, THOMAS AAKLE

(3) Articles:

The emancipation of man. Atlan., Jan. 1919. (1500)

(4) Books:

The fraternity and the undergraduate. Geo. Banta and Co., Menasha, Wis., 1918. pp.250.

CLEAVINGER, J. S.

(3) Articles:

The A. L. A. Library, Camp Custer, Michigan. Mich. Lib. Bul., Aug., 1918. (2300)

COBLE, A. B.

(3) Articles:

Concerning a method for finding a particular integral. Am. Math. Monthly, 26:1:12-15.

Theta modular groups determined by point sets. Am. J. Math., 40:4:317-340.

COFFEY, W. C.

(2) Original reviews:

Establishing and managing the farm flock. Nat. Sheep and Wool Bur. pamphlet, Chicago.

Preparing for lambing time. Prairie F., 91:2:47.

Securing better prices for Illinois farm wools. *Ibid.*, May 3, 1919, p. 9.

(3) Articles:

Suggestions to beginners for selecting breeding sheep. Univ. of Ill. Extension Cir. No. 26. (9p.).

Suggestions for sheep club leaders. *Ibid.*, Extension Cir. No. 27. (7p.)

(4) Books:

Productive sheep husbandry. J. B. Lippincott Co., Philadelphia, p. 460.

COLE, ARTHUR C.

(1) Book notices:

Illinois in the fifties, by C. B. Johnson. Miss. Val. Hist. R., 5:1: 107. (380)

Latest light on Abraham Lincoln and wartime memories, by Erwin Chapman. *Ibid.*, 5:3:348. (600)

Invasion of the city of Washington, by J. M. Stahl. *Ibid.*, 5:4: 487. (150)

Lincoln, the politician, by T. A. Levy. *Ibid.*, 5:4:482. (250)

Lincoln in Illinois, by Octavia Roberts. Am. Hist. R., 24:2:302. (250)

History of the American people, by C. A. Beard and W. C. Bagley. Nation, 107:2788:709. (300).

The American spirit, a basis for Democracy, by Paul Monroe and Irving I. Miller. Miss. Val. Hist. R., 5:4:474. (250)

(3) Articles:

Historical activities in the old northwest. Miss. Val. Hist. R., 5:1:51. (9500)

The passing of the frontier. *Ibid.*, 5:3:288. (7500)

Lincoln and his wartime critics. Hist. Teachers' M., 9:5:245. (3500)

Lincoln and the presidential election of 1864. Trans. Ill. St. Hist. Soc., 1917:130. (3500)

(4) Books:

The era of the Civil War. Vol. III, Centennial History of Illinois. McClurg. Chicago. 1919. pp. xiv, 499.

CREEK, H. L.

(3) Articles:

Creation or criticism? So. Atlan. Q., 17:3:207-216. (4000)

A sufficient preparation for college composition. Ill. Assn. Teachers of English, Bul. 11:1. (3300)

Philosophies of style. J. Eng. and Ger. Philol., 1:23:42. (8000)

CURTIS, FLORENCE R.

(3) Articles:

The libraries of the American state and national institutions for defectives, dependents, and delinquents. Univ. of Minn. Studies in Soc. Sci., No. 13. (56p.)

CURTIS, N. C.

(3) Articles:

The creole architecture of old New Orleans. Arch. Rec., 43:5: 435. (5000) (Map, 15 illus.).

Note on J. N. DePouilly, architect. Bldg. R., 8:1:19:150. (Illus.).

with S. S. Labouisse

Project for remodelling the old St. Louis hotel, New Orleans. *Ibid.*, 8:1:19:400. (Illus.).

Immense stones used in historic edifices. *Ibid.*, 8:3:11:1200.

S. S. Labouisse, a biographical appreciation. *Ibid.*, 3:10:700.

Influence of New Orleans creole architecture. *Ibid.*, 8:4:19:400.

with Ash, Percy

Designs submitted in Sacramento state buildings competition. Arch. and Engr. of Cal., 55:1:58. (Illus.): Am. Arch., 115: 2248:32. (Illus.)

DAVENPORT, EUGENE

(3) Articles:

What patriotism requires of the farmer. O. Judd Farmer, 65: 1:1. (1400)

When the city boy comes to the farm. Woman's World, 34:6:11. (1800)

Gambling on the unearned increment. Country Gent., 83:31:11. (3500)

A home of their own. *Ibid.*, 83:32:7. (4000)

When Johnny comes marching home. *Ibid.*, 83:46:3. (5500)

Yield and profit. *Ibid.*, 83:50:11. (3600)

"Jest supposin'." *Ibid.*, 83:51:3. (3500)

What is the matter with the milk situation. Hoard's D., Christmas:729. (3800)

When the city man goes to the farm. Country Gent., 84:10:17. (3500)

Farm labor in the victory drive. *Ibid.*, 84:6:5. (3000)

Teaching the city boy to be useful on the farm. *Ibid.*, 84:8:13. (4000)

Producing food under contract. *Ibid.*, 84:11:3. (5000)

Taking speculation out of food production (The Illinois Agricultural Association). Prairie F., 91:4:8. (2200)

DAVENPORT, EUGENE

(3) Articles (Cont.):

World ruin or a league of nations. Country Gent., 84:18:15. (7000)

Organizing agriculture as a business. Cornell Countryman, 16:3:119. (1100)

Wanted: A national policy in agriculture. Address before Assn. Am. Ag. Coll. and Exp. Sta. Baltimore. Jan. 1919. Pamphlet. (28p.).

DAVIS, D. J.

(3) Articles:

Bacteriology of influenza. Inst. of Med. of Chicago, 1919, 2:142. (3200)

with Pilot.

Hemolytic streptococci in the faucial tonsil and their significance as secondary invaders. J. Infectious Diseases, 24:386. (7000)

with Moore, J. J.

Sporotrichosis following mouse bite. *Ibid.*, 23:252. (6000)

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(3) Articles:

with Funk, Ruth S.

Some observations on the use of boric acid as a disinfectant. Am. J. Pharm., 91:4:206. (1500)

(4) Books:

The bacteriology and mycology of foods. John Wiley and Sons Inc., New York, 1918, pp. vi, 596.

THOMPSON, C. M.

(4) Books:

with Hunter, M. H.

Exercises and problems in economics. Benj. J. Sanborn and Co., Chicago, 1919, pp. vi, 87.

TRELEASE, WILLIAM

(1) Book notices:

Current reviews (as chairman, American Board of Editors) of American botanical literature. Botanisches Centralblatt, Through the year.

(3) Articles:

The ancient oaks of America. Mem. Brooklyn Bot. Gard., 1:492-501. (9 pl.)

(4) Books:

Winter botany. A companion volume to "Plant materials of decorative gardening." Trelease. Urbana, 1918, pp. xl. 394. (330 fig.)

VANCLEAVE, H. J.

(3) Articles:

The study of zoology as a factor in social and economic progress. School and Soc., 8:177:581. (4500); Proc. Ill. H. S. Conf., 1918, 113-118.

The influence of high school biological courses upon the grades of university freshmen in zoology. School Sci. and Math., 18:152:483. (3000)

Centrorhynchus pinguis n. sp. from China. J. Parasitol., 4:4:164. (1500) (1 pl.)

Acanthocephala of the subfamily rhadinorhynchinae from American fish. *Ibid.*, 5:1:17. (3000) (1 pl.)

The field excursion in high school biological courses. School Sci. and Math., 19:156:7. (1300)

(4) Books:

Laboratory directions for an elementary course in general zoology. Revised edition. U. of I. Supply Store, Champaign, 1918, p. 79.

VANHORNE, JOHN

(3) Articles:

Reading material used in college during the past five years in first and second year French classes. Mod. Lang. J., 3:4:143. (4200)

Reading material used in college during the past five years in first and second year Spanish classes. *Ibid.*, 3:5:218. (4000)

The influence of conservatism on the art of Pereda. Pub. Mod. Lang. Assn. of Am., 34:1:70. (5200)

(4) Books:

Benavente's Tres Comedias. Edited with introduction, notes and vocabulary. D. C. Heath & Co., Boston, 1918, pp. xxxvi, 189.

WARD, H. B.

(1) Book notices:

Clinical pathology of the blood of domestic animals. J. Parasitol., 4:3:140. (250)

Infection and resistance. *Ibid.*, 4:4:176. (200)

Industrial Journal of Medical Research. *Ibid.*, 5:2:92. (400)

Kitasato archives of internal medicine. *Ibid.*, 5:3:140. (200)

(2) Original reviews:

Audubon the naturalist. Miss. Val. Hist. R., 5:2:226. (1233)

New human parasites. J. Parasitol., 5:3:139. (500)

(3) Articles:

The value of zoology to humanity. Science, N. S., 47:1213:302. (3500)

The elimination of stream pollution in New York State. Trans. Am. Fish. Soc. 48:1:3. (10,360)

The animal parasites of the human eye. Am. Ency. Opthal., 12:9265. (41,130) (20 fig.)

(4) Books:

Animal parasites of the human eye. Cleveland Press, Chicago, 1918, pp. ii, 90.

WASHBURN, E. W.

(3) Articles:

The palce of the university in chemical war work. J. Ind. and Eng. Chem., 10:786; Can. Chem. J., 2:292. (3000)

The presence of iron in the furnace atmosphere as a source of color in the manufacture of optical glass. J. Am. Ceramic Soc., 1:637. (900)

Refractory materials as a field for research. (A survey of the scientific aspects of the subject). *Ibid.*, 2:3. (10,000)

Report of the committee on ceramic chemistry and of the Pittsburgh Conference on geological survey of ceramic raw materials. Clay worker, 49:6:759. (4500)

WATSON, ELMO S.

(3) Articles:

He fought at adobe walls. The personal narrative of Thunder Bird, Chief of the Southern Cheyennes. Sports afield, 60:6:4444. (4000)

WATSON, F. R.

(3) Articles:

A megaphone with a rectangular aperture. Physical R., 9:3:244. (500)

The Watson-Booth acoustical thermometer. Engineering (London), 107:2780:467. (850)

WESTERGAARD, H. M.

(3) Articles:

On the conception of probability. Monist, 28:613. (4000)

The resistance of a group of piles. Eng. and Contr., 50:501. (4000)

WHISENAND, J. W.

(3) Articles:

Water-holding capacities of bedding materials for live stock. J. Ag. Research, 14:4:187. (1200)

WHITE, E. A.

(3) Articles:

The tractor a better farming machine. Farm Implement N., 29:19:48. (2000)

Multiple horse hitches. Percheron R., 3-7. (2250)

The horse as a motor. Chilton Tractor J., 2:2:9. (800)

The farm power problem. Breeders' Gaz., 74:5:156. (2250)

The next step in agricultural implement design. J. Soc. Automotive Eng., 4:5:409. (1000)

see Burlison, W. L.

WHITFORD, ROBERT C.

(3) Articles:

Madame de Stael's literary reputation in America. Mod. Lang. Notes, 33:476-480.

WILLARD, A. C.

(3) Articles:

Fuel economy in the operation of hand fired power plants. Univ. of Ill. Eng. Exp. Sta. Bul., 15:31. p. 90.

WILLIAMS, CHARLES A.

(3) Articles:

Gruenwald's song "Gut Gesell und du musst wandern." J. Eng. and Ger. Philol., 18:2.

WILLIAMS, E. H.

(3) Articles:

The magnetic properties of some rare earth oxides as a function of the temperature. Physical R., N. S., 12:2:158. (4000)

WILSON, W. M.

see Moore, H. F.

see Richart, F. E.

WOODBRIDGE, HOMER E.

(1) Book notices:

Form first, or substance? Reply to a criticism of a review. Nation, 107:2771:148. (450)

Maeterlinck's The Burgomaster of Stilemonde. Nation, 108: 2806:578. (500)

(2) Original reviews:

Mr. Masefield as a playwright (Review of Masefield's "Collected plays"). Nation, 108:2803:432. (1500)

(3) Articles:

In a mountain park (poem). New Republic, 8:222:20. (24 pl.)

Mark Twain and the "Gesta Romanorum." Nation, 108:2803: 424. (2200)

WOOLSTON, WESLEY J.

(3) Articles:

Malignancy developing in cervical stump after supra-vaginal hysterectomy. Chicago Clin., Oct., 1918.

Epidemic pneumonia in pregnancy. Effect in one hundred and one cases. Am. Med. J., 71:23:1898.

WYATT, F. A.

see Stewart, Robert.

YARROS, RACHELLE S.

(3) Articles:

Work of the social hygiene committee of the Woman's Committee, Council of Naitonal Defense. Am. J. Clin. Med., Sept., 1919.

Experiences of a lecturer. Soc. Hgiene, 5:No. 2.

YOUNG, C. M.

(3) Articles:

Portable hand-made gasolene drill. Eng. N. Rec., 82:741. (350)

ZELENY, CHARLES

(3) Articles:

Germinal changes in the bar-eyed race of drosophila. Proc. Ind. Acad. Sci., 1917, 73-77. (2000)

ZEITLIN, JACOB

(1) Book notices:

Early life of Robert Southey, by Haller. J. Eng. and Ger. Philol., 18:1:148. (1200)

(3) Articles:

The conflict of parties in the Russian Revolution. Univ. of Ill. Bul., 12:27. (7000)

UNIVERSITY OF ILLINOIS
LIBRARY-CHEMISTRY

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION OF THE UNIVERSITY OF ILLINOIS

MAY 1, 1919—APRIL 30, 1920.

The publications of the faculty of the University of Illinois during the year ended April 30, 1920, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

(2) Original reviews:

Organic chemistry, or Chemistry of the carbon compounds by Victor von Richter. J. Am. Chem. Soc. 41:12. (250)

(3) Articles:

with Ulich, L. H.

The use of oxalyl chloride and bromide for producing acid chlorides, acid bromides or acid anhydrides. III. *Ibid.*, 42:3. (5000)

with Voorhees, V.

Organic chemical reagents, IV. Preparation of alkyl iodides. *Ibid.*, 41:5. (3600)

with Marvel, C. S.

Organic chemical reagents, VI. Reagents from n-butyl alcohol *Ibid.*, 42:2. (4400)

with Powell, S. G.

A comparison of the activity of certain unsaturated groups with the activity of the allyl groups in certain ethers. *Ibid.*, 42:3. (4500)

(4) Books:

with Kamm, O. and Marvel, C. S.

Organic chemical reagents. Univ. of Ill. Press, Urbana, 1919. 80 pp.

ALEXANDER, C. P.

(3) Articles:

New nearctic crane-flies (Rhyphidae and Tipulidae). Part VII. Can. Ent. 51:162-172.

The crane-flies collected by the Canadian Artic expedition, 1913-1918. Rept. of the Can. Arctic Exped. 1913-1918, v. 3, Insects, Pt. C, Diptera, p. 3c-30c.

New nearctic species of the genus eripotera meigen (Tipulidae Diptera). Bull. Brooklyn Ent. Soc. 14:104-108.

New nearctic crane-flies (Tipulidae, Diptera). Part VIII. Can. Ent. 51:191-199.

Two new crane-flies from California (Tipulidae, Diptera). Ent. News, 30-214-215.

The crane-flies of New York. Part I. Distribution and taxonomy of the adult flies. Cornell Univ. Agr. Exp. Sta. Memoir 25, p. 767-993.

New species of eriopterine crane-flies from the United States (Tipulidae, Diptera). Part I. Insecutor inscitiae menstruus, 7:143-148.

Records and descriptions of neotropical crane-flies (Tipulidae, Diptera). Part I. J. N. Y. Ent. Soc. 27:132-154.

Undescribed species of Japanese crane-flies (Tipulidae, Diptera). Ann. Ent. Soc. Am. 12:327-348.

ALEXANDER, C. P.

(3) Articles (Cont.):

An undescribed ptychoptera from the Western United States (ptychopteridae, diptera.) Ent. News, 31:3-4.

New or little known tipulidae (Diptera). I. Ethiopian species. Ann. Mag. Nat. Hist. ser. 9, 5:53-62.

Underscribed tipulidae collected by Mr. H. S. Parish in Brazil (Diptera). Ent. News, 31:70-75.

New or little-known crane-flies from Japan (Tipulidae, Diptera). Trans. Am. Ent. Soc. 46:1-26.

Tipulidae collected by the American Museum Congo expedition. Bull. Am. Mus. Nat. Hist. 43:9-20.

Two undescribed pediciine crane-flies from the United States (Tipulidae, Diptera). Can. Ent. 52:78-80.

New or little known Tipulidae (Diptera). II. Ethiopian species. Ann. Mag. Nat. Hist. ser. 9, 5:337-351.

ARMS, R. W.

(3) Articles:

Recent progress in mine ventilation. Coal Ind. 3:2-5. (3000)

Drinking water and morale. Eng. and Min. J. 108:453. (1000)

The boarding house, an institution. *Ibid.*, 108:616. (1000)

BABBITT, H. E.

(3) Articles:

Storm sewer repairs in Danville. Eng. Rec. 84:1061. (1500)

Methods for locating leaks in pipes. *Ibid.*, 84:1054. (2500)

Final examinations for college seniors. School and Soc. 9:778. (1000)

BAKER, F. C.

(3) Articles:

The ecology of North American Lymnaeidae. Sci. N. S. 49:519-521. (1600)

A new species of Physa from New York state. Nautilus, 33:11-13. (700)

Studies in aquiculture or fresh water farming. Nat. Hist. 19:478-488. (5100) (12 fig.)

Mollusca of the Crocker Land expedition to northwest Greenland and Grinnell Land. Bull. Am. Mus. of Nat. Hist. 41:479-517. (18000)

Fresh water Mollusca from Colorado and Alberta. *Ibid.*, 41:527-539. (6000) (4 fig.)

Animal life and sewage in the Genesee river, New York. Am. Nat. 54:152-161. (3400) (1 fig.)

A new Planorbis from Illinois. Nautilus, 33:123-125. (600)

A new form of Amnicola from the Ohio Pleistocene deposits with notes on a Physa from the same formation. *Ibid.*, 33:125-127. (650)

Physa smithiana, new name for Physa smithii. *Ibid.*, 33:142. (150)

BAKER, I. O.

(4) Books:

Revision of Section 6, Masonry, foundations and earthwork, in American civil engineer's handbook. John Wiley and Sons, New York, 1920. (88p.)

Chapter XXV, Teaching of engineering subjects, in Klapper's College teaching. World Book Co., Yonkers-on-Hudson, N. Y. 1920. (26 p.)

BALDWIN, E. C.

(1) Book notices:

The Bible in English, a review of A book about the English Bible by J. H. Penniman. Nation, 109:2826:312. (800)

How it strikes a Christian, a review of Judaism, Christianity, and modern social ideals. Am. Israelite, 66:44:6. (600)

(3) Articles:

Israel and world peace. Supplement. 1:10:10-11. (600)

Milton and the Psalms. Mod. Philol. 17:8:97-103. (2000)

BALLANTINE, H. W.

(1) Book notices:

Treatise on title to real property by Thompson. Harvard Law R. 33:5:742-743. (500)

(3) Articles:

When are deeds testamentary. Univ. of Ill. Law Bull. 2:7:461-478. (5500)

Delivery of deeds. Illinois Abstracters' Assoc. 12:12-24. (4800)

BAMBERGER, ARRIE

(3) Articles:

Acute septic infections of the fingers. Mod. Med. 1:1:43-44. (1500)

BAUER, R. S.

(4) Books:

Essentials of the law of damages. Callaghan and Co., Chicago, 1919. III, + 510 pp.

BAYLEY, W. S.

(3) Articles:

Kaolin in North Carolina, with a brief note on hydromica. Econ. Geol. 15:1:236-246. (3600)

Preface to Dr. Nebel's paper on The basal phases of the Duluth gabbro. *Ibid.*, 14:5:367-368. (250)

BEAL, G. D.

(3) Articles:

with Glenz, E. A.

The composition of the fruit of the Virginia creeper, Ampelopsis quinquefolia. J. of Indus. and Eng. Chem. 11:10:959-962.

with Hamilton, T. S.

The "Shaking-out" method for the quantitative estimation of alkaloids. II. The effect of clarification and salting out. J. of the Am. Pharm. Assoc. 9:1:9-15.

with Perry, Margaret C.

The quantities of preservatives necessary to inhibit and prevent alcoholic fermentation and the growth of molds. J. of Indus. and Eng. Chem. 12:3:253-258.

BELTING, PAUL

(1) Book notices:

The high school failures by Francis P. Obrien. J. of Educ. Res. 1:3:226-228. (1000)

(4) Books:

Development of the free public high school in Illinois to 1860. Ill. State Hist. Soc. J. Springfield, Ill. 1919. pp. I, 206.

BENEDICT, B. W.

(3) Articles:

Safety instruction at the University of Illinois. Nat. Safety News no. 337:2-3. (3000)

BEVIER, ISABEL

(3) Articles:

Dietary studies. J. of Home Econ. 12:2:63-67. (1500)

The Illinois scheme for extension work with women. Proceedings of the 33rd Annual Convention of the Assoc. of Am. Agr'l Colleges and Experiment Stations, pp. 271-273. (1400)

BLUMBERG, HENRY.

(3) Articles:

On certain saltus equations. Am. J. of Math. 41:3:183-190. (3500)

A theorem on linear point sets. Bull. Am. Math. Soc. 25:8:350-353. (1300)

BODE, B. H.

(3) Articles:

Justice Holmes on natural law and the moral ideal. Internat. J. of Ethics, 29:4:397-404. (3000)

Educational aims and scientific methods. School and Soc. 11:263: 38-44. (4000)

BOGART, E. L.

(3) Articles:

Effect of the war on labor and capital. The Hist. Outlook, 9:425-428. (1200)

Report of the committee on war finance of the American Economic Association. (Joint author). The Amer. Econ. R. 9, sup. 2, 127 pp. (37500)

Money costs of the war. The Hist. Outlook, 10:310-312. (1000)

Luxury taxes. Bull. Nat. Tax Assoc. June, 1919. 3 pp. (1000)

(4) Books:

Direct and indirect costs of the great world war. Preliminary economic studies of the war. Washington, Carnegie Endowment for International Peace, 1919. 8-338 pp.

BOGART, C. L.

see Mathews, J. M.

BOYD, A. M.

(3) Articles:

Contemporary poets: a classified list. Bull. of Bibliog. 10:91:134-136, (4000) 11:92:10:12. (3000) 11:93:10-12, (3000)

Hope for the rural school library. School and Home Educ. 39:6:133. (1000)

BRALEY, S. A.

(3) Articles:

Bibliography on the use of cupferron as a quantitative reagent. J. Chem. Soc. 11:12:1144-1145. (700)

BRITTON, W. E.

(3) Articles:

Full faith and credit-enforcement of foreign judgments for wrongful death. Ill. Law. Bull. 2:5:361-370. (3500)

Constitutional changes in eminent domain in Illinois. *Ibid.*, 2:7:479. 514. (13000)

Eminent domain and excess condemnation. Leg. Ref. Bur. of Ill Constit. Conven. Bull. no. 7. (30000)

BROCK, W. L.

see Flint, W. P.

BUCKINGHAM, B. R.

(2) Original reviews:

Terman, L. M. The intelligence of school children. J. of Educ. Res. 1:2:144-147. (1651)

Buckner, C. A. Educational diagnosis of individual pupils, and Fretwell, E. K. Study in educational prognosis. *Ibid.*, 1:4:307-308. (715)

(3) Articles:

Textbooks: their cost and improvement (editorial). J. of Educ. Res. 1:3:222 wwr. (1050)

Mental and physical age in relation to school administration (editorial). *Ibid.*, 1:2:139-143. (1780)

A proposed index of efficiency in teaching United States history *Ibid.*, 1:3:161-171. (4620)

Announcement. J. of Educ. Res. 1:1:1-4. (1080)

On the derivation of a problem test in arithmetic. Bull. of the N. Y. Soc. for the Exper. Study of Educ. 1:6:2-3. (963)

(4) Books:

with Monroe, Walter S.

Bureau of educational research, College of Education, First annual report and announcement, 1919. (Univ. of Ill. Bull. 17:9. Oct. 27, 1919). Univ. of Ill. Urbana, 1919. 78 p.

BUNCH, MAMIE

(3) Articles:

A course for home demonstration agents. J. of Home Econ. 11:19: 430-435. (3200)

BURLISON, W. L.

(3) Articles:

with Readhimer, J. E.

The importance of clover. Extension Circ. Ill. no. 36, June, 1919. 8 p. (1600)

with Stark, R. W.

Treating oats for smut. Agric. Exp. Sta. Circ. no. 240, Feb. 1920. 4 p. (1200)

CAMPBELL, M. H.

(3) Articles:

Emblagaard tritomia homestead. Holstein-Friesian World. 17:8: 36-38. (1200)

Official testing records of pure-breds in Illinois. Hoard's Dairyman. 59:15:924. (1500)

CANTER, H. V.

see Oldfather, W. A.

CAPPS, A. G.

(3) Articles:

Technique of curriculum construction. Pro. of High School Conference, Nov. 20, 1919. 17:13:62-68. (3720)

CARMAN, A. P.

(3) Articles:

with Hyslop, W. H.

An undamped wave method of determining dielectric constants of liquids. Phys. R. 15:3:243-244. (400)

with Fritts, E. C.

Experiments on osmotic-electric electromotive forces. Phys. R. 15:2:142-143. (600)

CARMICHAEL, R. D.

(1) Book notices:

Ahrens, Mathematische spiele. Bull. Am. Math. Soc. 26:2:86. (200)

Tamborrel, Trotado elemental de goniometria. *Ibid.*, 26:2:86. (200)

(2) Original reviews:

History of the theory of numbers, a review of a book by L. E. Dickson. Am. Math. Mo. 26:3:396-403. (3800)

The calculus of probability, a review of Casletnuvo's Calcolo dalle probobilita. Bull. Am. Math. Soc. 26:3:132-135. (1200)

(3) Articles:

The secret (scientific poem). Monist, 1919. pp. 404-405. (300)

Individuality in research. Sci. Mo. 9:6:514-525. (5000)

On a general class of integrals of the form $\int_0^\infty \varnothing(t)\, g(x+t)dt$. Trans. Am. Math. Soc. 20:4:313-322. (5000)

Note on convergence tests for series and on Stieltje's integration by parts. Bull. Am. Math. Soc. 26:3:97-102. (2400)

Note on a physical interpretation of Stieltje's integrals. *Ibid.*, 26: 3:102-105. (*1000*)

The theory of relativity. N. Y. Times, Dec. 7, 1919. (2000)

Conditions necessary and sufficient for the existence of a Stieltjes integral. Pro. Nat'l Acad. Sci. 5:551-555. (2500)

On sequences of integers defined by recurrence relations. Q. J. of Math. 48:192:343-372. (12500)

Red-displacement of spectral lines in Einstein's theory. N. Y. Times, Mr. 28, 1920. (2000)

The measure of excellence in scientific activity. Sci. Mo. 10:4:343 359. (7500)

Carnahan, D. H.

(1) Book notices:

Histoire de France. Cours elémentaire, par Ernest Lavisse. Mod. Lang. J. 4:6:319-320. (700)

Clark, A. H.

(3) Articles:

Iodine in liquid petrolatum. J. A. Ph. A. 8:611-612. (900)

Barium sulphate for Roentgen-ray work. Ann. Rep. A. M. A. Chem-Lab. 1919:81-82. (1000)

with Leech, P. N. and Rabak, W.

American-made synthetic drugs. II. J. A. M. A. 73:754-759. (3500)

Clark, T. A.

(3) Articles:

The fraternity situation. Banta's Greek Ex. 7:4. (1500)

(4) Books:

The high school boy and his problems. Macm. N. Y. 1920. 200 pp.

Coble, A. B.

The ten nodes of the rational sextic and of the Cayley symmetroid. Am. J. of Math. 41:4:243-265. (11000)

Coffey, G. N.

(3) Articles:

The why of demonstrations and personal contact. Agric. Dem. Service, p. 1-8. (2800)

Colby, A. S.

(3) Articles:

Spray schedule for fruits and vegetables. Am. Fruit Grower, 40:4: 12-13. (4200)

Cole, A. C.

(1) Book notices:

The cotton kingdom by W. E. Dodd. Miss. Val. Hist. R. 6:3:421-422. (800)

The anti-slavery crusade by Jesse Macy. *Ibid.*, 6:3:416-417. (800)

(3) Articles:

Historical activities in the old Northwest. *Ibid.*, 6:1:74-98. (8900)

Illinois and the great war. Ill. Cent. Hist. 5:452-491. (14000)

(4) Books:

The constitutional debates of 1847. Ill. State Hist. Library, Springfield, 1919. XXX+1018 pp.

Cooper, A. R.

(3) Articles:

North American pseudo-phyllidean cestodes from fishes. Ill. Biol. Mon. 4:4:289-541. (90000)

A case of the inferior vena cava uniting with the azygos vein in the dog. Anat. Rec. 17:5:299-306. (2000)

Glaridacris catostomi, gen. nov., sp. nov.: A cestodarian parasite. Trans. Am. Micros. Soc. 39:1:1-24. (10500)

CRANDALL, C. S.

(3) Articles:

Observations on characters of forms of Malus. Proc. Soc. for Hort. Sci. 1919, p. 131-135. (2300)

The apple cross—Tolman x Malus Toringo. *Ibid.*, 1919, p. 60-66. (3000)

CRATHORNE, A. R.

(1) Book notices:

Theory of maxima and minima. H. Hancock, Bull. Am. Math. Soc. 26:4:180-182. (700)

Empirical formulas. T. R. Running. *Ibid.*, 8:376-377. (400)

(3) Articles:

Correlations among high school subjects. H. S. Conf. Urbana, Ill. Pro. 1919, p. 133-138. (3500)

Statistical study of change of mind as to life work. School and Soc. 9:28-30. (1200)

Integral equations, Differential equations, and minor articles on mathematical topics. Nelson's Loose-leaf encyclopedia, 1920 revision sheets. (1500)

(4) Books:

with Reitz, H. L.

College algebra. Rev. ed. Henry Holt and Co., N. Y. 1919 XIII+268 pp.

CREEK, H. L.

(3) Articles:

Rising and falling rhythm in English verse. Mod. Lang. Assoc. of Am. Pub. 28:76-90. (4000)

CRIGLER, N. B.

(3) Articles:

Food calendar. Univ. of Ill. Urbana, 1919. 31 pp.

CURTIS, N. C.

(3) Articles:

St. Philip's church, Brunswick county, N. C. Arch. Rec. 47:2:181-187. (1500) (5 p. measured drawings).

DALBEY, NORA

see Stevens, F. L.

DAVIS, D. J.

(3) Articles:

Hemolytic streptococci in respiratory diseases. Ill. Med. J. Sept. 1919. (2000)

Bacteriology of influenza. Inst. of Med. 2:4:142-150. (2500)

Effect of KI on experimental sporotrichosis. J. Inf. Dis. 25:124-131. (2000)

Human inoculation with B. influenzae. J. A. M. A. 72:1317-1318. (800)

DAVIS, R. E.

see Jordan, H. H.

DAY, H. W.

(3) Articles:

The future of the home vegetable garden. Trans. of the Ill. State Hort. Soc. 53:299-303. (2000)

DAY, V. S.

(3) Articles:

Emissivity of heat from various surfaces. Eng. Exp. Sta. Bull. no. 117. 40 p.

DETURK, E. E.

(3) Articles:

Potassium-bearing minerals as a source of potassium for plant growth. Soil Sci. 8:4:269-301. (13000)

DERSHEM, ELMER

see Stebbins, Joel

DOLCH, E. W., Jr.

(3) Articles:

Teaching for the furture. Educ. 40:5:263-275. (4800)

Teaching literature. Engl. J. 9:4:185-193. (3600)

DUNGAN, G. H.

(3) Articles:

Plain talk on scabby grains. Am. Coop. J. 14:13:20. (1500)

A glimpse at the way Illinois met an emergency in seed corn. Ill. Agric. 24:2:85-88. 130. (2500)

EMCH, ARNOLD.

(2) Original reveiws:

Projective geometry by Veblen and Young. Am. Math. Mo. 26: 9:194-201. (3900)

(3) Articles:

On a certain class of rational ruled surfaces. Pro. of the Nat. Acad. of Sci. 5:6:222-224. (1500)

ERB, J. L.

(3) Articles:

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(1) Book notices:

Applied economic botany by M. T. Cook. Bot. Gaz. 68:307.

Botany for agricultural students by J. N. Martin. *Ibid.*, 68:308.

Three new fungi from Porto Rico. Mycologia, 12:52-53.

STEVENS, F. L. (Cont.):

An apple canker due to cytospora. U. of I. Agric. Exp. Sta. Bull. no. 217.

Foot-rot disease of wheat—Historical and bibliographic. Ill. Nat. Hist. Sur. 13, art. 9.

Perithecia with an interascircular pseudoparenchyma. Bot. Gaz. 68:474-476.

Report on literature regarding wheat foot-rot. Rept. of the Conf. of Cereal Pathologists of America, June 5, 1917, pp. 10-12.

A parasite of the tree fern (Cyathea). Bot. Gaz. 68:222-225.

with True, E. Y.

Black spot of onion sets. U. of I. Agric. Exp. Sta. Bull. no. 220.

with Dalbey, Nora.

Some phyllachoras from Porto Rico. Bot. Gaz. 68:54-59.

STEWART, ROBERT

(3) Articles:

Limestone question answered. Prairie Far. 91:18:32. (1200)

Ground limestone and raw rock phosphate. Rock Products. 22:11:29. (1300)

Reclamation of alkali lands. Breeder's Gaz. 74:225. (1800)

Comparative value of forms of limestone. Soil Sci. 7:273. (2500)

Illinois soils don't need sulfur. Prairie Far. 92:13:7. (1500)

Rock phosphate gives best returns in Ohio. *Ibid.*, 92:15:9. (1500)

STOEK, H. H.

(3) Articles:

Storage of bituminous coal. Min. and Met. No. 159, Sec. 3, 29-40. (6000)

Storage of bitumnious coal, during 1919. Coal Ind. 105-108. (3960)

Storage of coal by railroads. Internat. Ry. Fuel Assoc. 1:11:243-290.

STORY, R. M.

(1) Book notices:

The government of the United States by W. B. Munro. Am. Pol. Sci. R. 14:1:169-171. (750)

(3) Articles:

Russia, present and future. Annals of Am. Acad. of Pol. and Soc. Sci. 84:81-89. (3000)

Observations on soviet govt. Am. Pol. Sci. R. 13:3:460-467. (4800)

Local self-govt. for cities and counties. Ill. Law Bull. 2:5:339-350. (4200)

(4) Books:

The American municipal executive. Univ. of Ill. Studies in the Social Sci. 7:3. Univ. of Ill. Urbana, 1918, 222 pp.

TALBOT, A. E.

(3) Articles:

Second progress report of the committee on stresses in railroad track. Pro. of the Am. Soc. of Civil Eng. 46:2:133. (100000) also printed in Pro. of the Am. Ry. Eng. Assoc. 21:224:1. (100000)

Abstract of above report, entitled New studies of railway track; counterbalance effect and behavior of tie and ballast. Eng. News-Record, 84:9:406. (13000)

TALBOT, A. E.

(3) Articles: (Cont.):

Abstract entitled The Scientific study of railway track under load. Railway Age, 68:10:670, 775. (15000)

Elements influencing the strength of concrete: discussion of masonry committee report. Pro. of the Am. Ry. Eng. Assoc. 20:904. (2000)

Parable of the paste pot—A discussion on the fundamentals in the make-up of concrete mixtures. Concrete, (12000)

Fundamentals in the make-up of a concrete mixture. Eng. News-Record, 82:18:869. (1200)

Discussion on surface and fineness modulus in concrete aggregates. Pro. of the Am. Soc. for Test. Mat. 19:481. (1800)

Edgar Marburg, his more recent services. *Ibid.*, 19:52. (2000)

TANNER, F. W.

(3) Articles:

with Feuer, B.

Cultural studies on an inflection of the skin by Endomyces alvicaus. Archives of Dermatology and Syphilology. 1:365-369. (3500)

TENDICK, F. H.

see Kamm, Oliver.

THOMPSON, C. M.

(4) Books:

Elementary economics. Sanborn and Co., Boston, 1919. 12+420 pp.

TRELEASE, WILLIAM

(1) Book notices:

Current reviews of American botanical literature. Botanische's Centralblatt (through the year).

(3) Articles:

Bearing of the distribution of the Histing flora of Central America and the Antilles on former land connections. Bull. Geol. Soc. of Am. 29:649-656.

Botanical achievement: presidential address. Botan. Soc. of Am. Sci. N. S. 51:121-131.

ULICH, L. H.

see Adams, Roger.

VAN CLEAVE, H. J.

(3) Articles:

Acanthocephala from the Illinois River, with descriptions of species and a synopsis of the family Neoechinorhynchidae. Bull. Ill. Nat. Hist. Survey, 13:8:i-iv, 225-257. (15000) (7 plates)

Acanthocephala from fishes of Douglas Lake, Michigan. Occas. Papers Mus. of Zool., U. of Mich., no. 72:1-12. (3500)

Notes on the life-cyls of two species of Acanthocephala from fresh-water fishes. (Abstract). The Anatom. Rec. 17:5:230. (250)

Van Cleave, H. J

(3) Articles (cont'd.):

Two new genera of Acanthocephala from Venezuelan fishes. (Abstract). *Ibid.*, 17:5:234. (250)

Acanthocephala of the Canadian Arctic Expedition, 1913-1918. Rept. of the Can. Arctic Exped. 1913-1918. 9:E:1-11. (2700) (2 plates)

Van Horne, John

(1) Book notices:

El estudiante de Salamanca, ed. by G. T. Northup. Mod. Lang. J. 4:5:257-258. (650)

Curso práctico de español para principiantes by G. Cherubini. *Ibid.*, 4:6:316-318. (1200)

Primer libro de lectura by G. M. Walsh. Hispania, 3:1:40-41. (900)

Easy Spanish reader by J. Hatheway. *Ibid.*, 3:1:41-43. (1200)

A Spanish reader by J. M. Pittaro. *Ibid.*, 3:1:43-45. (1100)

(3) Articles:

The Spanish problem. Pro. of the High School Conf. U. of I. Bull. 17:13:270-274. (2100)

The collection of data in modern language teaching. Mod. Lang. J. 4:7:357-363. (1800)

Van Tuyl, F. M.

see Savage, T. E.

Volwiler, E. H.

see Kamm, Oliver.

Volz, E. C.

(3) Articles:

Some observations on garden irrigation. Trans. Ill. Hort. Soc. 53: 229-235. (3000)

Voorhees, V.

see Adams, Roger.

Ward, H. B.

(2) Original reviews:

Animal parasites and human disease by Asa C. Chandier. Sci. 50: 593-594. (800)

(3) Articles:

Methods of securing better cooperation between government and laboratory zoologists in the solution of problems of general or national importance. Sci. 50:4-8. (2000)

Notes on North American Myxosporidia. J. Parasit. 6:2:49-64. (4 000) (1 col. plate)

Stream pollution in New York State. State of N. Y. Con. Comm. p. 1-78. (33000)

Aquatic life under modern stream conditions. The Conservationist, 2:3:42-45. (1500)

Stream pollution. J. Am. Waterworks Assoc. 6:4:823-831. (4000)

WASHBURN, E. W.

(3) Articles:

The new international union of pure and applied chemistry. Sci. 50: 1292:319-321. (1500)

Some aspects of scientific research in relation to the glass industry. J. Am. Ceram. Soc. 2:11:855-864. (3400)

Note on the latent heat of fusion of crystobalite. *Ibid.*, 2:12:1007-1008. (500)

with Read, J. W.

The laws of "concentrated" solutions. VI. The general boiling point law. J. Am. Chem. Soc. 41:5:730-741. (3000)

WATKINS, GORDON

(1) Book notices:

Problems of reconstruction by I. Lippincott. Am. Econ. R. 9:3:553.

The new world order by S. Z. Batten. *Ibid.*, 9:3:607. (400)

Industry and trade by Bishop and Kellar. Miss. Vall. Hist. R. 6: 3:407-408. (400)

Labor and reconstruction in Europe by E. M. Friedman. Am. Econ. R. 9:4:804. (500)

Democracy in reconstruction by Cleveland and Schafer. *Ibid.*, 9: 4:802-803. (500)

(3) Articles:

The present status of socialism in the United States. Atlantic M. 124:6:821-830. (6000)

Revolutionary communism in the United States. Am. Pol. Sci. R. 14:1:14-33. (6500)

WATSON, E. S.

(3) Articles:

A cannon that saved an empire. Phila. Public Ledger Mag. 166: 124. (3000)

How the Garden of the Gods got its name. *Ibid.* 166:124. (1000)

WATSON. F. R.

(3) Articles:

A megaphone of novel design. Sci. Am. 120:548. (1000)

The measurement of small alternating currents by means of a Rayleigh resonator. Phys. R. 13:387 (Abstract 150) also printed in Elec. World, 73:20.

A project in sound. U. of Ill. Bull. no. 13. v. 17:300 (Abstract 500)

Some everyday applications of acoustical principles. School Sci. and Math. 20:193. (1500)

Transmission of sound through walls. Phys. R. 15:231 (Abstract 250)

with Love, Beryl and Dawson, Margaret.

The variation in sound intensity of resonators and organ pipes with blowing pressure. *Ibid.*, 14:49. (2000)

WELKER, W. H.

(3) Articles:

A device for centrifugalization at low temperatures. J. Lab. and Clin. Med. 5:2:125-126. (315)

WELKER, W. H.

(3) Articles, (Contd.):

with Williamson, C. S.

Hemoglobin I. Optical constants. J. Biol. Chem. 41:1:75-79. (1625)

WHITING, A. L.

see Schoonover, W. R.

WILEY, C. C.

(3) Articles:

Poor brick cause pavement failure—The saving of $50 for tests leads to failure of $50,000 job. Mun. and Co. Eng. 57:5:179. (1200)

Impact tests on roads. *Ibid.*, 58:2:75. (2500)

What paving brick should be and do. Brick and Clay Rec. 54:12:1067. (2500)

Depressed cross-walk connection convenient to pedestrians. Eng. News-Rec., 83:6:281. (500)

WILLARD, A. C.

(3) Articles:

Cooperative research in warm air furnaces and furnance heating systems at the University of Illinois. Am. Artisan and Hardware Rec., Chicago. 78:23:65-68. (3000) (illus.)

WILLARD, A. C.

(3) Articles (Cont.):

The pipeless furnace testing plant and results of efficiency and capacity tests on a pipeless furnace. *Ibid.* 79:17:54-55. (1200)

A report of progress in warm-air furnace testing at the University of Illinois. J. Am. Soc. Heat. and Vent. Eng., N. Y. 26:2:127-148. (10000) (illus.)

(4) Books

Report of progress in warm air furnace research. Bull. no. 112. Eng. Exp. Sta. Univ. of Ill. 1919. 5+58 pp. illus.

WILLIAMS, E. H.

(3) Articles:

The magnetic properties of some rare earth oxides at low temperatures. Physical R. 14:4:348-351. (1200)

WILLIAMSON, C. S.

(3) Articles:

Pericarditis with effusion. An experimental study. Archives of Inter. Med. 25:206-228. (3000)

Malignant endocarditis of the pulmonary valves (with autopsy). Med. Clinics of North Amer. 3:1:119-148. (1000)

Gout. *Ibid.*, 3:1:131-148. (7000)

with Welker, W. H.

Hemoglobin I. Optical constants. J. Biol. Chem. 41:1:75-79. (1625)

WILSON, L. A.

(3) Articles:

Minor Buick troubles. Auto. Trade J. 23:12:290-292. (1000)

The psychometric chart explained. Sibley J. of Eng. 33:5:68-70. (1800)

Air weight. Automotive Industries. 41:26:1278-1279. (1100)

WILSON, W. M.

see Richart, F. E.

WOOLBERT, C. H.

(2) Original reviews:

Principles of expressive reading by Olaf Morgan Norlie. Q. J. of Speech Educ. 5:3:308-311. (1500)

(3) Articles:

Persuasion; principles and method, III. *Ibid.*, 5:3:212-238. (13000)

Speech training—Fact or fancy? Annual Pro. of the Wis. State teachers Assoc. 1919. (6000)

Speech training and the learning process. Q. J. of Speech Educ. 6: 1:55-75. (9000)

(4) Books:

The fundamentals of speech. Student Supply Store, Champaign, Ill. 1919. 264 pp.

YANCEY, H. F.

(3) Articles:

Some chemical data on coal pyrite. Chem. and Met. Eng. 22:3:105-109. (2500)

see Fraser, Thomas.

ZELENY, CHARLES

(3) Articles:

The personal relation of the investigator to his problem. Sci. N. S. 50:1286:175-179. (3000)

A change in the bar gene of Drosophila involving further decrease in facet number and increase in dominance. J. of Gen. Physiol. 2:1:69-71. (900)

The mutational series, full to bar to ultra-bar. Paper read at the 17th Annual Meeting, American Society of Zoologists. Abstract Anatom. Rec. 17:5:336. (150)

The tabulation of factorial values for eye facet number in the bar races of Drosophila. Paper read at the 17th Annual Meeting, American Society of Zoologists. Abstract. *Ibid.*, 17:5:337-338. (250)

Forty-two generations of selection for high and low facet number in the white bar-eyed race of Drosophila. Paper read at the 17th Annual Meeting, American Society of Zoologists. Abstract. *Ibid.*, 17:5:338-339. (200)

A change in the bar gene of Drosophila melanogaster involving further decrease in facet number and increase in dominance. J. of Exp. Zool. 30:3:293-324. (13000)

ZEITLIN, JACOB

(1) Book notices:

The iron hunter, by C. S. Osborn. Nation, 109:2823:178. (600)

Sentences and thinking, by Foerster and Steadman. *Ibid.*, 109:2826:315. (350)

Russian short stories, by Schweikert. *Ibid.*, 109:2826:315. (250)

Bolshevik aims and ideals. *Ibid.*, 109:2831:472. (500)

Russia's ruin, by E. H. Wilcox. *Ibid.*, 109:2831:470. (1000)

America for British ears. *Ibid.*, 109:2836:607. (900)

Vestigia, by Repington. *Ibid.*, 109:2834:547. (500)

Education and autocracy in Russia, by D. B. Leary. *Ibid.*, 109:2837:640. (400)

English speaking brotherhood and the League of Nations, by Sir Charles Walston. *Ibid.*, 109:2839. (800)

Across the blockade, by H. N. Brailsford. *Ibid.*, 109:2840:717-718. (1200)

Arthur Hall of Grantham, by H. G. Wright. *Ibid.*, 109:2843:830. (400)

The Jew pays, by M. E. Ravage. *Ibid.*, 110:2846:80. (500)

Lenin, by A. R. Williams. *Ibid.*, 110:2847:115. (500)

Liberalism in America, by H. Sterns. *Ibid.*, 110:2851:238. (1100)

Russian pendulum, by A. Bullard. *Ibid.*, 110:2852:268. (600)

New words self-defined, by C. Alphonso Smith. *Ibid.*, 110:2853:305. (600)

The bishop and other stories, by Chekhov. *Ibid.*, 110:2853:306. (450)

Witnesses from Russia, a review of From liberty to Brest by Mrs. H. Williams; Bolshevik Russia, by E. Antonelli; Russia in 1919, by Arthur Ransome; and Open gates to Russia, by M. W. Davis. *Ibid.* 110:2856:399-400. (2000)

Memoirs of the Russian revolution, by G. V. Lomonossoff. *Ibid.* 110:2857:435. (500)

Russian theatre under the revolution, and Russia, white or red, by O. M. Saylor. *Ibid.*, 110:2861:596. (1500)

On America, by Waldo Frank. *Ibid.*, 110:2861:595. (900)

(3) Articles:

Unionizing of professors. *Ibid.*, 109:2825:237. (1200)

Commonplaces in Elizabethan life and letters. J. of Engl. and Ger. Phiol. 19:1:47-65. (8000)

The plays of Thacher Guild. Ill. Mag. May 1920. p. 5-7. (1500)

UNIVERSITY OF ILLINOIS
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION UNIVERSITY OF ILLINOIS

May 1, 1920—April 30, 1921.

The publications of the faculty of the University of Illinois during the year ended April 30, 1920, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or article reviewed; (3) Articles; (4) Books.

ADAMS, ROGER.

(3) Articles:

with Kamm, O. and Marvel, C. S.
Organic chemical reagents, II. Univ. of Ill. Press. (57p.)
with Bramlet, H. B. and Tendick, F. H.
Reactions of the Griggnard reagent on thiocyanates. J. Am. Chem. Soc. 42:2369- (6)
with Palmer, C. S.
The reactions of the arsines; condensation of primary arsines with aldehydes. *Ibid.* 42:2375- (4)
with French, H. E.
The reaction between the acid halides and aldehydes, II. *Ibid.* 43:651- (9)
with Ulich, L. H.
The reaction between acid halides and aldehydes, III. *Ibid.* 43: 660- (8)

ADOLPH, W. H.

(3) Articles:

Premedical standards. China Med. J. 34:205-207. (1100)
with Kiang.
The nutritive value of soy bean products. Natl. Med. J. (China) 6:40-49. (3600)
with Wu.
Analytical data on the soy bean. *Ibid.* 7:30-33. (1500)

ALEXANDER, C. P.

(3) Articles:

New Nearctic Crane-flies (Tipulidae, Diptera). Part IX. Can. Ent. 52:109-112.
New or little known Crane-flies from tropical America. *Ibid.* 52: 141-144.
Undescribed African Crane-flies in the British Museum. *Ibid.* 52: 145-160.
New Nearctic Crane-flies (Tipulidae, Diptera). Part X. *Ibid.* 52: 224-229.
An undescribed species of Ptychoptera from West Africa. Ptychopteridae, Diptera). Entomologist, 53:101-102.

ALEXANDER, C. P.

(3) Articles (Cont.):

Records and descriptions of neotropical Crane-flies. (Tipulidae, Diptera). II. J. N. Y. Ent. Soc. 28:1-13.

Scientific results of the Katmai expedition of the National Geographic Society. The Crane-flies. Ohio J. of Sci. 20:193-203.

New or little known Tipulidae (Diptera). III. Ethiopian species. Ann. Mag. Nat. Hist., London, ser. 9, 5:465-472.

New or little known Tipulidae (Diptera). IV. Ethiopian species. *Ibid.* 7:305-322.

Undescribed species of African Crane-flies in the collection of the British Museum (Natural history). Part I. *Ibid.* 6:1-44, 336-364.

Undescribed species of African Crane-flies in the collection of the British Museum (Natural History) Part II. *Ibid.* 7:98-118.

Undescribed Tipulidae (Diptera) from Western North America. Proc. Cal. Acad. Sci. ser. 4, 10:35-46.

New or little known Crane-flies in the Queensland Museum. Mem. Queensland Mus. 7:52-63.

An undescribed species of Clytocosmus Skuse (Tipulidae, Diptera). Proc. Linn. Soc. New South Wales, 45:184-185.

The natural history of Juan Fernandez and Easter Island. v. 3 (3 Diptera-Tipulidae from Juan Fernandez, p. 25-27).

A new genus and species of net-winged midge (Blepharoceridae) and an undescribed species of Tanyderidae (Diptera). Arkiv för Zoologi, Stockholm, 13:1-7.

The Crane-flies collected by the Swedish Expedition (1895-1896) to Southern Chile and Tierra del Fuego. *Ibid.* 13:1-32.

New or little-known Australian Crane-flies. Proc. Royal Soc. Queensland, 32:92-109.

Undescribed Crane-flies in the Paris Museum. 1919, Part I. African species. Bull. Mus. d'Hist. Nat., Paris, p. 606-611.

Undescribed Crane-flies in the Paris Museum. Part II. African species. *Ibid.* p. 216-219, 316-318, 403-406, 509-511.

Undescribed Crane-flies from Argentina (Tupilidae, Diptera). Ent. News, 31:215-221.

Undescribed Crane-flies from Argentina. Part II. *Ibid.* 31:72-76.

Undescribed species in the Osten Sacken collection of New Zealand Crane-flies. Insec. Inscit. Menst. 8:121-133.

New species of Japanese Crane-flies (Diptera, Tipulidae). *Ibid.* 8:134-138.

New or little known Crane-flies from Formosa. Ann. Ent. Soc. Amer. 13:249-270.

A new subfamily of Tanyderid flies (Diptera). *Ibid.* 13:402-407.

New species of Crane-flies from the United States and Canada. J. Ent. and Zool. 12:85-92.

Undescribed or little-known Crane-flies from the Pacific Islands. Bull. Brooklyn Ent. Soc. 16:9-13.

ALEXANDER, C. P.

(3) Articles (Cont'd.):

with Malloch, J. R.

Notes on the life history of a Crane-fly of the genus Geranomyia Haliday. Trans. Ill. Acad. Sci. 13:310-319.

with McAtee, W. L.

Diptera of the superfamily Tipuloidae found in the District of Columbia. Proc. U. S. Nat. Mus. 58:385-435.

ANDERSON, H. W.

(3) Articles:

Diseases of Illinois fruits. Univ. of Ill. Agr. Exp. Sta. Cir. 241: 1-155.

Dendraphoma leaf blight of strawberry. Univ. of Ill. Agr. Exp. Sta. Bull. 229.

Some factors influencing the practical control of blister canker in apple orchards. Proc. Am. Soc. Hort. Sci. 17:111-118.

Control of apple blister canker. Am. Fruit Grower, 40:1-28.

Diseases of fruit crops in the United States in 1920. The Plant Disease Bull. (U. S. D. A.) Sup. 14:1-114.

ANDREWS, J. B.

see Handschin, W. F.

ARMS, R. W.

(3) Articles:

Influence of the manufacturers on mining. Coal Ind. 3:6:261-262. (1000)

Coal washing, advances and tendencies. (Two parts). *Ibid.* 4: 1:76-77, 4:2:112-114. (3000).

ATWOOD, C. A.

(3) Articles:

Wanted—The best county agent. Ill. Agric. 23:255-56, 276, 278. (1400)

Short articles in Chicago Drovers J., Breeder's Gazette, Duroc Bull.

AUSTIN, M. M.

see Parr, S. W.

BABBITT, H. E.

(3) Articles:

Locating leaks in water mains. J. Amer. Water Works Assoc. 7: 589-595. (2000). Eng. and Contract. 53:431-432. Eng. News-Rec. 84:1061-1062. Sci. Amer. M. 2:344-345. Mun. and Co. Eng. 5:184-185.

Leaping weir at Danville, Illinois. Proc. Ill. Soc. of Eng. 35:55—(1000). Eng. News-Rec. 84:1071.

BAILEY, P. B.

see Hassin, G. B.

BAKER, F. C.

(2) Original reviews:

Baker's Life of the Pleistocene. Auk, 38:1:155-156. (800)

(3) Articles:

Animal life and sewage in the Genesee river, New York. Amer. Nat. 54:152-161. (3500)

A new planorbis from Illinois. Nautilus, 33:4:123-125. (675)

A new form of Amnicola from the Ohio Pleistocene with notes on a Physa from the same formation. *Ibid.* 33:4:125-127. (700)

Physa smithiana new name for Physa smithii. *Ibid.* 33:4:142. (100)

Animal life in loess deposits near Alton, Illinois, with descriptions of two new varieties of land shells from the same deposits. *Ibid.* 34:2:61-66. (1800)

Notes on a small collection of shells from Alaska. *Ibid.* 34:2: 67-68. (600)

Pleistocene mollusca from Indiana and Ohio. J. of Geol. 28:7: 439-457. (7300)

The museum of natural history. Sixteen years at the University of Illinois. A statistical study of the administration of President Edmund J. James, p. 199-121. (900)

The museum of natural history of the University of Illinois. Trans. Ill. State Acad. Sci. 12:57-63. (2800)

Effect of sewage and other pollution on animal life of rivers and streams. *Ibid.* 13:271-279. (3400)

The value of ecology in the interpretation of fossil faunas. School Sci. and Math. 21:4:323-327. (2000)

with Smith, Frank.

A mussel survey of the upper waters of the Vermilion river with special reference to the Salt Fork. Trans. Ill. State Acad. Sci. 12:129-131. (1000)

(4) Books:

The life of the Pleistocene or glacial period. Univ. of Ill. Bull. 17:41. 1920. XVI—476 pp.

BAKER, G. C.

see Greenfield, R. E.

BARNES, C. E.

see Dunkley, W. A.

BARTOW, EDWARD

see Habermeyer, G. C.

BAUER, R. S.

(3) Articles:

Mental suffering as an element of damage in contract. Central Law J. 91:138-142. (1400)

BAKER, I. O.

(3) Articles:

Wanted missionaries. Triangle R. 8:3:75, 83-84. (1500)

Baldwin, E. C.

(1) Book notices:

Modern reader's Bible for schools—New Testament. R. G. Moulton. Nat. 111:2880:305. (500)

(3) Articles:

Milton and Plato's Timeaus. Pub. Mod. Lang. Assoc. 35:2:210-217. (3200)

Jesus and the testament of Solomon. Homiletic R. 80:3:189-190. (800)

Jewish influence upon the colonial development of Illinois. Chicago Chron. 3:32:1, 8. (2000)

Illinois Association of Teachers of English. Engl. J. 10:2:104-105. (600)

The English section. Univ. of Ill. Bull. 18:14:144-175. (800)

Bamberger, Arrie

(3) Articles:

Blood transfusion in the new born. Ill. Med. J. Jan. 1921. (1000)

Two cases of hypertrophic cirrhosis of the liver in the same family. J. of Amer. Med. Assoc. 75:743- (2000)

Bayley, W. S.

(3) Articles:

The magnetic ores of North Carolina. Their origin. Econ. Geol. 16:2:142-152. (3500)

Kaolin in North Carolina. Econ. Geol. 15:3:236-241. (3500)

Beard, J. H.

(3) Articles:

The contribution of the veterinarian to public health. The Nation's Health, 3:350-352. (4000)

Belting, P. E.

(3) Articles:

Educational value of physical education. Univ. of Ill. Bull. 18: 14:256-260. (5000)

Development of high school spirit. *Ibid.* 18:14:135-140. (5000)

Bentley, Madison

(3) Articles:

Is psychoanalysing a fad? Pitts. Dis. 76:59:6. (200)

A note on the relation of psychology to anthropology. J. of Phil., Psychol., etc. 17:345-349. (2000)

(4) Books:

Psychological Index. (editor) Psychol. Rev. Co., Princeton, N. J. 1920. 165 pp.

Berdahl, C. A.

(3) Articles:

The Richards primary. Amer. Pol. Sci. R. 14:1:93-105. (4500)

The power of recognition. Amer. J. of Int. Law, 14:4:519-539. (8000)

BERNBAUM, ERNEST

(4) Books:

Swift's "Gulliver's Travels." (Introduction and footnotes.) Harcourt, Brace and Howe, N. Y. 1920. XX + 306 pp.

BLATT, M. L.

(3) Articles:

Childhood tuberculous lymphadenitis. Int. Clinics, 1:31:115-121. (2500)

BLUMBERG, H.

(2) Original reviews:

Hausdorff's Grundzüge der mengenlehre. Bull. of the Amer. Math. Soc. 27:116-129. (5500)

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Turning steel shafts and facing valves. *Ibid.* 18:11:16-21. (3700) (20 views)

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How to true lathe centers. *Ibid.* 19:2:24-30. (3300) (24 views)

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(3) Articles:
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Acoustics of buildings. McGraw-Hill Handbook of Building Construction, pp. 747-753. (7000)

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A new basis for rating and comparing warm air furnaces over their entire range of operation. Amer. Artis. and Hardware R. 80:26:69-71. (3000) (illus.) Amer. Arch. 119:2355:155-157. (2500) (illus.) Sheet Met. Work. 11:10:394-396. (3000) (illus.)

with Kratz, A. P,

Proposed furnaces testing codes for both pipeless and piped furnace systems as developed in the warm air furnace research work at the University of Illinois. J. of the Amer. Soc. of Heat. and Vent. Eng. 27:2:124-132. (2500) (illus.)

WILLIAMS, C. A.

(2) Original articles:

The 1917 translation of the Swedish Bible. Scand. Notes and Studies, 6:81-93. (3800)

WILSON, W. M.

see Richart, F. E.

WOLKOFF, M. I.

(3) Articles:

Effect of various soluble salts and lime on evaporation, capillary rise, and distribution of water in some agricultural soils. Soil Sci., 9:6:409-446.

WOLTER, H. F.

(3) Articles:

Sheep Club manual. Extension Circ. 42. 26 pp.

WOOLBERT, C. H.

(1) Book notices:

University debaters' manual. Q. J. of Speech Educ. 7:1:94. (100)

Representative one-act plays by Smith. J. of Educ. (300)

(2) Original reviews:

Stammering as a disorder of speech as dependent on conditions of child development by Elmer Kenyon in Volta's Review. Q. J. of Speech Educ. 7:2:186-189. (750)

(3) Articles:

Report of committee on research of the National Teachers of Speech. *Ibid.* 7:3:59-72. (5000)

WOOLBERT, C. H.

(3) Articles (Cont'd.):

Effects of various modes of public reading. J. of App. Psych. 4:2-3: 162-185. (7000)

A behavioristic account of sleep. J. of Psych. 27:6:420-428 (2900)

Editorials. Q. J. of Speech Educ. 7:1-2:63-66, 165-166. (1800)

(4) Books:

The fundamentals of speech. Harper and Bros., New York, 1921. 3+385 pp.

WRIGHT, IVAN

(2) Original articles:

Agriculture in reconstruction by J. B. Norman. The Cornell Countryman, 17:7:400-401, 412, 414. (1200)

(3) Articles:

Financial aspects of the German indemnity. The Bankers' Mag. (N. Y.) 100:4:540-550. (10000)

Financing the farm implement business. *Ibid.* 101:2:204-205. (1500)

When can the farmer buy. The Credit Mo. 23:2:13-14. (2000)

The farmer's financial position. *Ibid.* 23:5:9-13. (5000)

WU.

see Adolph, W. H.

WYLIE, C. C.

(3) Articles:

The auroral radiant from American observations of 1915-1920. Terrestrial Magnetism and Atmospheric Elect. 25:4:163-166. (1600)

YAPP, W. W.

see Detlefsen, J. A.

ZEITLIN, JACOB

(1) Book notices:

Drama in Russia. The Nation, 110:596. (1200)

Whose America? *Ibid.* 110:595. (800)

Fighting without a war by Albertson. *Ibid.* 110:659. (600)

One brand of Bolshevism. *Ibid.* 110:730. (1000)

The Russian diary of an Englishman. *Ibid.* 110:773. (400)

The Russian people by Princess Cantacuzene. *Ibid.* 110:860. (300)

Bolshevism at work by W. T. Good. *Ibid.* 111. (400)

A guide to Russian literature. *Ibid.* 111:327. (1000)

The Czechs in America by Capek. *Ibid.* 111:482. (450)

Soviet Russia. *Ibid.* 111:566. (1400)

Reports on Russia. *Ibid.* 112:19. (500)

Through Russian eyes. *Ibid.* 112:513. (1400)

ZELENY, CHARLES

(3) Articles:

The tabulation of factorial values. Amer. Nat. 54:4:358-362. (2000)

The method of procedure in the analysis of heredity. Sci. Mo. 11: 263-275. (5500)

The relative number of twins and triplets. Sci. 53:262-263. (1000)

UNIVERSITY OF ILLINOIS
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION OF THE UNIVERSITY OF ILLINOIS

May 1, 1921—April 30, 1922.

The publications of the faculty of the University of Illinois during the year ended April 30, 1922, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

ADAMS, ROGER.

(2) Original reviews:

Chemistry of synthetic drugs by Percy May. J. Am. Chem. Soc. 43:8. (450)

(3) Articles:

Invaluable synthetic drugs discovered by U. S. chemists. N. Y. Commercial, Sept. 12, 1921. (2100)

The physician and American chemistry. Am. J. of Clin. Med. 29: 2:85. (1600)

with Johnson, J. R.

2,Phenyl quinoline-4, carboxylic acid-6, arsonic acid. J. Am. Chem. Soc. 43:10:255-57. (800)

with Quick, A. J.

Aliphatic arsonic and arsinic acids and aliphatic aromatic arsinic acids. *Ibid.* 44:4:805-16. (6000)

(4) Books:

with Marvel, C. S.

Organic chemical reagents III. Univ. of Ill. Press, 1921. 73 pp.

with Conant, J. B., Kamm, O., and Clarke, H. T.

Organic syntheses. vol. 1. John Wiley & Sons, 1921. 84 pp.

AGERSBORG, H. P. KJERSCHOW-

(3) Articles:

Contributions to the knowledge of nudibranchiate mollusk, melibe leonina (Gould). The Am. Naturalist, 55:222-53. (10624)

On the status of chioraera (Gould). The Nautilus, 35:50-57. (2660)

AMBROSE, A. S.

see Prucha, M. J.

ARMS, R. W.

(3) Articles:

Dry concentration of coal. Coal Ind. 5:1:29-32. (3000)

(4) Books:

The ignition temperature of coal. Eng. Expt. Stat., Urbana, 1922. 61 pp.

ASHTON, B. L.

(3) Articles:

Improving the teaching of geography. The Techne, 4:6:11-14. (1450)

Atkinson, H. V.

(3) Articles:

The treatment of acute phosphorus poisoning. J. Lab. & Clin. Med. 7:3:148-50. (1500)

with McGuigan, H.

The effect of hemorrhage on the sympathetic nerves. Amer. J. Phys. 57:1:95-103. (3500)

with Ets, H. N.

Chemical changes of blood under the influence of drugs. I. Ether. J. Biol. Chem. 52:1:5-10. (2000)

Babbitt, H. E.

(3) Articles:

Kutter's formula simplified. Eng. and Con. 57:8:128. (1000)

Municipal and sanitary engineering. Technograph, Dec. 1921. (1500)

(4) Books:

Sewerage and sewage treatment. John Wiley & Sons, N. Y., 1922. 2-531 pp.

Babcock, K. C.

(1) Book notices:

History of education in Iowa, vol. V., by C. R. Aurner. Am. Hist. R. 26:842-43. (400)

Sixteen years at the University of Illinois by E. J. James. Educ. R. 62:179-81. (900)

Select British documents of the Canadian war of 1812, ed. by Wm. Wood. Am. Hist. R. 27:588-89. (700)

(3) Articles:

Present standards of voluntary associations of higher educational institutions. Educ. Rec. 2:3:92-99. (3000)

Variables in higher educational organization. Cath. Educ. Assn. Bul. 18:1:132-38. (2500)

The university and the private colleges. Pro. 17th An. Meet. of Fed. of Ill. Colleges. 17:9-12. (2000)

Bailey, J. R.

see Noyes, W. A.

Baily, H. H.

(3) Articles:

Burden imposed by the income tax on corporations and partnerships. Admin. 2:4:511-18. (5000)

Baker, F. C.

(1) Book notices:

The freshwater mollusca of the Parish of Aldenham by A. E. Boycott. Ecol. 2:3:230. (84)

Correlation of shape and station in freshwater mussels by A. E. Ortmann. *Ibid.* 2:3:231. (60)

Natural history and propagation of freshwater mussels by Coker, Shira, Clark, and Howard. *Ibid.* 2:4:314. (192)

Baker, F. C. (Cont'd)

(3) Articles:

New forms of Pleistocene mollusks from Illinois. Nautilus, 35:22-24. (720)

Preparing collections of the mollusca for exhibitions and study. Am. Micr. Soc. 40:31-46. (7800)

New species and varieties of mollusca from Lake Winnebago region. Nautilus, 35:130-133. (1070)

Pleistocene mollusca from northwestern and central Illinois. J. Geol. 30:43-62. (5600)

The importance of ecology in the interpretation of fossil faunas. Ecol. 2:277-280. (1900)

Baldwin, E. C.

(1) Book notices:

A memorial volume. Mizpah Mo. Mag. 1:7:11. (800)

(3) Articles:

A Christian protest. Am. Israelite, 67:53:1. (1500)

Influence of the authorized version on Milton's diction. Mod. Lang. Notes, 34:6:376-77. (1500)

Disraeli and the Jews. B'nai B'rith News, 13:11:12. (2000)
Pipp's Wkly. 2:16:7. Omaha Jewish Press, 1:36.

How we got our alphabet. Am. Israelite, 68:19:1. (1500)

An excuse for just pride. Mizpah Mo. Mag. 1:3:6.

Dante and Immanuel Ben Solomon. Am. Israelite, 68:27:1. (1800)
The Scribe, 5:29:4-12.

Laws and lawlessness. Am. Israelite, 68:36:1. (1500)

English section. U. of Ill. Bul. 19:21:166-210. (800)

Confusion in our religious thinking. Am. Israelite, 68:34. (1900)

An absurd slander. B'nai B'rith News, 14:6:9. (1500)

Bane, Lita

(3) Home economics extension service in Illinois.

The county home bureaus in Illinois.

(5) Unclassified:

Motto card:—The aim of the home bureau.

Barger, Edgar

see Glasgow, Robert.

Baron, A.

see Bentley, Madison.

Bassoe, Peter

see Hassin, G. B.

Bayley, W. S.

(1) Book notices:

Structural and field geology by James Geikie. Econ. Geol. 16:4-5: 339-40. (250)

Bayley, W. S. (Cont'd)

(1) Book notices:

Nomenclature of petrology by A. Holmes. *Ibid.* 16:7:501-502. (450)

Manual of determinative mineralogy by J. V. Lewis. *Ibid.* 17:2:146. (250)

(3) Articles:

Editorial. Econ. Geol. 16:4-5:330-332. (1100)

A magnetic-marble ore at Lansing, N. C. Elisha Mitchell Scientific Soc. 37:3-4:138-52. (6300)

Beard, J. H.

(3) Articles:

Problems in the bovine tuberculosis question. The Nation's Health, 4:5:272-274. (1950)

Progress of public health work. Scientific Mo. 14:2:140-52. (6600)

Bentley, Madison.

(3) Articles:

Dynamical principles in recent psychology. Psych. Monographs, 30: 136:1-16.

Leading and legibility. *Ibid.* 30:136:48-61.

with A. Baron.

Intensive summation of thermal sensations. *Ibid.* 30:136:84-94.

(4) Books:

Critical and experimental studies in psychology from the University of Illinois. (Ed.) Psych. Rev. Co., Princeton, N. J. 1921. 94 p.

Psychological index. (Ed.) Psych. Rev. Co., Princeton, N. J. 1921. xii—207 p.

Berdahl, C. A.

(3) Articles:

The Louisiana constitutional convention. Am. Pol. Sci. Rev. 15:4: 565-68. (1700)

(4) Books:

War powers of the executive in the United States. (Univ. of Ill. Studies in the Social Sciences, 9:1-2) Univ. of Ill., Urbana, 1921. 296 p.

Bernbaum, Ernest.

(4) Books:

The Puritan Pilgrim—Poem for the Pilgrim Tercentenary celebration at the University of Illinois. Univ. of Ill., Urbana, 1921. 5 p.

Bevan, Arthur.

(3) Articles:

Some geologic features of the Beartooth mountains. (Abstract) Geol. Soc. Am. Bul. 52:1:29. (200)

with Clapp, C. H. and Lambert, G. S.

Mesozoic and paleozoic systems in Geology and gas and oil prospects of Central and Eastern Montana. Univ. of Mont. Bul., Bur. of Mines and Met. Ser. 4:34-69. (15000)

Blayney, J. R.

(3) Articles:

The clinical results of pulp treatment. J. of Nat. Dental Assoc. 9:3:198-206. (7000)

Bogart, E. L.

(3) Articles:

The public credit of the United States. Georgetown Univ., School of Foreign Service, Washington, D. C. 1921. (10000)

Free zones. U. S. Chamber of Commerce, Comm. on free zones, Report. 1921. 23 p.

Proposed program of social studies in the secondary school. Report of a committee of the American Economic Association. Am. Econ. Rev. 12:66-74. (3000)

The state of our national finances. *Ibid.* 12:51-52. (500)

(4) Books:

An economic history of the United States. 4th ed., rev., enl. and reset. Longmann, Green and Co., N. Y. 1922. 600 p.

Bollman, J. L.

(3) Articles:

with Welker, W. H.

The effect of subcutaneous injections of potassium cyanide on the catalase content of the blood. J. Biol. Chem. 48:2:445-51. (800)

Brannon, J. M.

see Prucha, M. J.

Brensky, A. A.

see Buswell, A. M.

Brooks, N. C.

(4) Books:

The sepulchre of Christ in art and liturgy, with special reference to the liturgic drama. Univ. of Illinois Studies in lang. and lit. 7:2. Univ. of Ill. Press, 1921. 110 p.

Brown, H. A.

(3) Articles:

with Knipp, C. T.

Variation of pressure and nature of gas content on the operation of vacuum tube detectors. Phys. R. 19:3:278-280.

Effect of alkali vapors and other gases at various pressures on thermioic tubes. Ill. Acad. of Sci. Ann. Pro. 1922.

Bundy, M. W.

(3) Articles:

Milton's view of education in Paradise lost. J. Engl. and Ger. Phil. 21:1:127-152.

Bunting, E. N.

(3) Articles:

with Washburn, E. W.

Bunting, E. N. (Cont'd)

(3) Articles:

The use of petroleum products as absorption liquids. J. Am. Ceram. Soc. 4:12:983-89. (1500)

Recommended procedures for determining porosity by methods of absorption. *Ibid.* 5:1:48-56.

Determination of porosity by the method of gas expansion. *Ibid.* 5:2:112-29. (5000)

Burlison, W. L.

(3) Articles:

Physiological basis of crop production. Agricultural Conference, Univ. of Ill. Jan. 26-27, 1922. (2000)

Buswell, A. M.

(2) Original reviews:

Vocational training. Chem. Bul. Jan., 1922. (400)

(3) Articles:

The Illinois state water survey. *Ibid.* 9:3:53-56. (2500)

with Brensky, A. A. and Neave, S. L.

Chemical and biological reactions in the Dorr-Peck tank. Am. J. of Pub. Health, 12:4:299-310. (3000, 10 figs., 7 tables).

Cameron, E. H.

(3) Articles:

Methods of study. High School Conf. Pro. 1921.

Opportunities of the small high school. *Ibid.*

(4) Books:

Psychology and the school. Century Co. N. Y. 1921. 1-339 pp.

Camp, H. L.

(2) Original reviews:

Scales for measuring results of physics teaching. J. of Ed. Res. 5:5:400-05. (1650)

(3) Articles:

Some results of testing intelligence of high school pupils in different states. H. S. Qtly. 10:3:176-78. (600)

(4) Books:

Scales for measuring results of physics teaching. Univ. of Iowa Studies in education. 2:2. State Univ. of Iowa, Iowa City, 1921, 51 p.

Canter, H. V.

(3) Articles:

Fortuna in Latin poetry. Univ. of North Carolina, Studies in philology, 19:1:64-82. (7800)

Card, L. E.

(3) Articles:

Body temperature of newly hatched chicks. Poultry Sci. 1:1:9-15. (1500)

Factors affecting fertility and hatching quality of eggs. Reliable Poultry J. 28:11:997. (4000)

Carlin, L.

see Jones, H. C.

Carman, A. P.

(3) Articles:

Thermal conductivity and diffusivity of concrete. Eng. Exp. Sta. Bul. 122.

Thermal conductivity of concrete and marble. Trans. Ill. Acad. Sci. 15.

A low resistance with a revolving shaft. Phys. R. 19.

(4) Books:

Electricity and magnetism. (Chapter in Duff's Textbook of physics) Blakiston, Phila. 1921.

Carmichael, R. D.

(1) Book notices:

The order of nature, a review of Whitehead's principles of natural knowledge; Leclerc's L'Unite de la science; Henderson's Order of nature, and Thomson's System of animate nature. Sci. 54:631-634. (2000)

Review of Oeuvres de G. H. Halphen, vols. 1-2. Amer. Math. Soc. Bul. 27:466-68. (1000)

Review of Hardy's Some famous problems in the theory of numbers and in particular of Waring's problem. *Ibid.* 27:471-75. (1800)

Review of Stolz and Gmeiner's Theoretische arithmetik, 2nd ed. *Ibid.* 27:485. (400)

Review of Hudson's The college and new America. J. of Educ. Res. 4:149-50. (750)

Relativity and physics, review of Rongier-Masine's Philosophy and the new physics. N. Y. Evening Post, Lit. 2:669. (800)

(3) Articles:

The song of fire. (Poem). Monist, 31:310-13. (1000)

Empirical results in the theory of numbers. Math. Teacher. (2000)

Certain units in science. Sci. Mo. 14:41-59. (9000)

The larger human worth of mathematics. *Ibid.* 14:447-468. (10,000)

Boundary value and expansion problems: formulation of various transcendental problems. J. of Math. 43. (16000)

Algebraic guides to transcendental problems (Address as retiring chairman of the Chicago section of the American Math Soc.) Amer. Math. Soc. Bul. 28:179-210. (13000)

Note on Euler's ϕ function. *Ibid.* 28:109-110. (800)

Chandler, S. C.

see Flint, W. P.

Christman, A. A.

see Lewis, H. B.

Cigrand, B. J.

(4) Books:

New light on Lincoln. I. C. Copley, Aurora, 1921. 368 pp.

Northeastern Illinois. Beacon News, Aurora, 1922. 567 pp.

Meaning of U. S. flag. Marshall Field Co., Chicago.

Clapp, C. H.

see Bevan, Arthur.

Clark, A. H.

(3) Articles:

Note on the Bliss method for the separation of strychnine and quinine. J. Amer. Ph. Assoc. 10:4:267-69. (1400)

Why you should attend the American Pharmaceutical Association meetings. Amer. Drug. 69:5:32-33. (800)

Clark, T. A.

(3) Articles:

Making one's self (Story). Assoc. Men. Oct., 1921. (3000)

Fraternity extension. The Brief, Phi Delta Phi, Jan., 1922. (3000)

Gibbon's boy and Lenhart's boy—A contrast. Assoc. Men, Feb., 1922. (1200)

Give the freshman a chance. Alpha Tau Omega Palm, March, 1922. (2500)

The personal touch. Christian Educ. March, 1922. (7000)

Finding the lost student. Christian Century, March 30, 1922. (1500)

The passing of the chaperon. Atlantic Mo., Apr., 1922. (3000)

Going on a vacation. Hotel Mo., Apr., 1922. (1500)

What I must do to make good. Personal Efficiency, April, 1922. (1000)

College activities—Chapter in College administration, May, 1922. (4200)

(4) Books:

When you write a letter. B. H. Sanborn & Co., Chicago, 1921. 165 pp.

Clarke, H. T.

see Adams, Roger.

Coble, A. B.

(3) Articles:

A covariant of three circles. Amer. Math. Soc. Bul. 27:434-37. (2000)

Geometric aspects of the Abelian modular functions of genus four. Abstract I-II. Natl. Acad. of Sci. Pro. 7:8;245-49. 7:12:234-338. (2000, 2000)

Coleman, G. H.

see Noyes, W. A.

Conant, J. B.

see Adams, Roger.

Crathorne, A. R.

(1) Book notices:

Mathematik des geld—und zahlungsverkers, by A. Loewy. Amer. Math. Soc. 28:65. (300)

(3) Original articles:

with Walker, M.

The biology of a life table. Royal Statis. Soc. J. 84:3:483-56. (1200)

(4) Books:

with Rietz, H. L. and Rietz, J. C.

Crathorne, A. N. (Cont'd)

(4) Books:

Mathematics of finance. Henry Holt and Co., N. Y. 1921. xiv. 280 pp.

Crile, D. R. L.

(4) Books:

Chapters on Compound fractures and on Dislocations and sprains in Ochsner's Surgical diagnosis and treatment. Lea and Febiger, vol. 4:195-308. (50000)

Davenport, Eugene.

(3) Articles:

Keeping the young man on the farm. Country Gent. 5/21/21. (4000)

Will we continue to export farm products. Farm and Fireside. 5/21. (4000)

Have our banks turned profiteers? Country Gent. 5/7/21. (8000)

The predicament of the experiment stations. Natl. Stockman and farmer. 5/21/21. (2000)

A farm for John and Mary. Country Gent. 12/31/21. (4000)

Who is big business? *Ibid.* 1/14/22. (5600)

Cooperate, of course, but keep right on running your farm. Farm and Fireside, 12/21. (2600)

How are you going to farm this year? *Ibid.* 2/22. (3600)

Why the difference? Ladies Home J. 2/22. (2000)

Jim and his job. Hoard's Dairyman, 12/21. (4000)

What made Chicago. Country Gent. 2/22. (3000)

Agriculture organized. Breeder's gazette, 12/21. (2800)

Writing off the losses. Natl. Stockman and Farmer, 193. (2200)

Unsecured farm loans. *Ibid.* 194:13. (1000)

The gulf impossible. Sat. Evening Post. 4/22. (4000)

Can I make any money in 1922? Country Gent. 3/22. (4000)

The farmer's interest in the marketing problem. County Agent and Farm Bur. 3/22. (2400)

Editorials.

Davison, Charles.

(3) Articles:

Treatment of ununited fractures of the neck of the femur by bone transplants. Amer. Med. Assoc. J. 77:916. (2000)

Day, V. S.

(3) Articles:

with Willard, A. C. and Kratz, A. P.

Air measurement in furnace testing. Amer. Soc. Heating and Ventil. Eng. J. 27:8:797-812.

Heat losses from a pipeless furnace. Amer. Artisan, 80:52:69-71.

(4) Books:

with Willard, A. C. and Kratz, A. P.

Investigation of warm-air furnaces and heating systems. Eng. Exp. Sta. Bul. 120, Urbana, Ill. 1921. 1-8+9-137 pp.

Day, W. B.

(1) Book notices:

Several reviews of botanical articles. Bot. Abst. 7-8.

(3) Articles:

Hospital pharmacists. J. Amer. Ph. Assoc. 10:11:882-83. (1000)

The membership of the American Pharmaceutical Association. *Ibid.* 10:6:414-17. (1500)

The service of the American Pharmaceutical Association. *Ibid.* 10:7: 492-94. (1500)

The old and new in training and educational methods. Amer. Drug. 70:4:25. (1000)

(4) Books:

Proceedings of the Illinois Pharmaceutical Association. W. B. Day, Bloomington, Ill. 1921. 125 pp.

Detlefsen, J. A.

(3) Articles:

A new mutation in the house mouse. Amer. Nat. 55:469-73. (2000)

with Holbrook, F. M.

Skunk breeding. J. of Hered. 13:6:243-54. (8500)

with Clements, L. S.

Genetic analysis of low crossover stock, produced by selection. Anat. Rec. 23:1:97. (250)

Dickenson, R. W.

see Mosier, J. G.

Dietz, F. C.

(3) Articles:

List of readings in History II. U. of I. 56 pp.

(4) Books:

English government finance, 1485-1858. U. of I., Urbana, 1921. 1-10+11-245.

Dodge, D. K.

(3) Articles:

Longfellow's Scandinavian translations. Scand. Stud. and Notes, 6: 7:187-97. (3500)

Dolch, E. W., Jr.

(3) Articles:

The measurement of high school English. J. of Ed. Res. 4:279-86. (3200)

What is a story? The Editor, 55:8. (1500)

More true than life. *Ibid.* 55:15. (2300)

Stories as news. *Ibid.* 55:20. (1200)

"Selling" your story. *Ibid.* 57:1. (1100)

Dorner, H. B.

(3) Articles:

The extent and aims of floricultural education in the United States. Florists' Rev. 48:1238:41, 100-105.

Strawflowers for the Christmas sales. *Ibid.* 48:1242:17-18.

Perennials for cutflowers. *Ibid.* 49:1268:25-27.

Driggs, F. H.

see Hopkins, B. S.

Duell, Prentice

(3) Articles:

Arizona-Sonora chain of missions. Arch. & Eng. 66:1:63-81. (2000)

Arizona-Sonora chain of missions. *Ibid.* 66:3:66-77. (2000)

Arizona-Sonora chain of missions. *Ibid.* 67:3:62-72. (2000)

The old missions of Mexico and Arizona. Los A. Times, March 27, 1922. (2500)

In the castle country. *Ibid.* Aug. 14, 1921. (2500)

A note on California architecture. Cal. Southland, Sept. 1921. (1000)

The old Spanish trail. Technograph, 34:3. (1800)

Duncan, H. G.

(4) Books:

The changing race relationship in the border and northern states. Intelligencer Printing Co., Lancaster, Pa. 3+127 pp.

Dungan, G. H.

(3) Articles:

How to make king alfalfa your servant. Ill. Agric. 26:6:173-76. (2500)

Dunkley, W. A.

(3) Articles:

The effect of moisture on the activity and capacity of iron oxides for gas purification. Amer. Gas. Assoc. Tech. Sect. Pro. 1921. (9000)

with Leitch, R. D.

Steaming charges in horizontal gas retorts. Gas Age Rec. 49:3:70-75. (5000)

Dunn, M. S.

see Lewis, H. B.

Dyas, F. G.

(1) Book notices:

The control of chronic pain. Surg. Gynec. & Obstet. Aug. 1921.

Eycleshymer, A. C.

(3) Articles:

Individualism in medical education. Sci. n. s. 55:1426:437-45. (5900)

The college of medicine of the University of Illinois. Ill. Med. J. 39:4:363-68. (3500)

(4) Books:

Urogenital system, Morris's Human anatomy, 6th ed. P. Blakiston's Son and Co., Phila., 1921. 40 pp.

Edmonds, J. L.

(3) Articles:

with Kammlade, W. G.

Feeding pure-bred draft fillies. Univ. of Ill. Agr. Expt. Sta. Bul. 235. Urbana, Ill. 1921. 29 pp.

Feeding farm work horses and mules. Univ. of Ill. Agr. Expt. Sta. Bul. 238. Urbana, Ill. 1922. 16 pp.

Eldredge, A. G.

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Acanthocephala collected by the Swedish expedition to the Juan Fernandez and Easter Islands (1916-1917). The natural history of Juan Fernandez and Easter Islands (Uppsala), 3:13:75-81.

Acanthocephala from the eel. Amer. Micros. Soc. Trans. 40:1:1-13.

Notes on two genera of ectoparasitic trematodes from fresh-water fishes. J. Parasitol. 8:1:33-39.

A determination of the degree of constancy in the nuclei of certain organs in the hydatina senta. Anatom. Rec. 23:1:102.

A new genus of trematodes from the white bass. *Ibid.* 23:1:115.

A compendium of the hosts of animal parasites contained in Ward and Whipple's Fresh-water biology. Amer. Micros. Soc. Trans. 40:4:195-99.

A determination of the degree of constancy in the nuclei of certain organs in hydatina senta. Biol. Bul. 41:2:85-94.

Van Horne, John.

(1) Book notices:

Methods and materials of literary criticism by C. M. Gayley and B. R. Kurtz. J. of Engl. and Ger. Philol. 20:2:256-62. (3000)

Three Spanish readers. Hispania, 4:6:318-20. (1700)

Three Spanish readers. *Ibid.* 5:2:111-15. (2500)

(3) Articles:

with Morgan, B. Q.

Bibliography of modern language methodology in America for 1920. Mod. Lang. J. 6:7:374-83. (3000)

Waldo, E. H.

(3) Articles:

Modern street lighting. Technograph, 33:1. (1200)

Walker, M.

see Crathorne, A. R.

Ward, C. B.

see Tanner, F. W.

Ward, H. B.

(1) Book notices:

American journal of hygiene ed. by William H. Welch. J. Parasit. 7:4:202. (300)

Essentials of tropical medicine by Walter E. Masters. *Ibid.* 7:4:202. (300)

Infections parasitaires in Neveu-Lemaire etc. *Ibid.* 7:4:203. (400)

Index Catal. Med. Vet. Zool.—Roundworms by Stiles and Hassall. *Ibid.* 7:4:203. (200)

Parasitisme et la symbiose by M. Caullery. *Ibid.* 8:2:97. (200)

(2) Original reviews:

Sanitary entomology by William D. Pierce. *Ibid.* 8:1:47. (600)

WARD, H. B. (Cont'd)

(3) Articles:

Meetings of executive committee of Sigma Xi. Sci. 54:1385:45. (560)

Herbert Haviland Field. *Ibid.* 54:1401:424-28. (1100)

Some features in the migration of the sockeye salmon and their practical significance. Amer. Fish Soc. Proc. 1920:378-426. (14500)

Some of the factors controlling the migration and spawning of the Alaska red salmon. Ecol. 2:161-234. (9500)

WASHBURN, E. W.

(1) Book notices:

Silica and the silicates by Audley. J. Ind. Eng. Chem. 13:11:1093. (450)

Chemical warfare by Fries and West. Amer. Ceram. Soc. J. 4:12:1014. (300)

American Society of Testing Materials: Book of standards. *Ibid.* 4:12:1014. (500)

(3) Articles:

Porosity: I. Purpose of the investigation. II. Porosity and the mechanism of absorption. Amer. Ceram. Soc. J. 4:11:916-23. (2500)

Research and a protective tariff. *Ibid.* 4:9:701-02. (400)

Note on a method of determining the distribution of pore size in a porous material. Nat. Acad. Sci. Proc. 7:2:115. (500)

High temperature research. Amer. Ceram. Soc. J. 5:4:161. (300)

with Footitt, F. F.

Porosity: III. Water as an absorption liquid. *Ibid.* 4:12:961-83. (2000)

with Bunting, E. N.

Porosity: IV. The use of petroleum products as absorption liquids. *Ibid.* 4:12:983-90. (2300)

Porosity: V. Recommended procedure for determining porosity by methods of absorption. *Ibid.* 5:1:48-56. (2300)

Porosity: VI. Determination of porosity by the method of gas expansion. *Ibid.* 5:2:112-29. (5000)

with Navias, L.

The relation of Chalcedony to the other forms of silica. Nat. Acad. Sci. Proc. 8:1:1-5. (1600)

with Parmelee, C. W. and Hursh, R. K.

A selected bibliography of books in the English language, dealing with ceramic chemistry and the ceramic industries. J. Ind. Eng. Chem. 13:5:476-78. (2400)

WATKINS, G. S.

(3) Articles:

An analysis of labor turnover. Admin. 2:1:27-35. (6000)

WATSON, E. S.

(3) Articles:

Stories of great Indians. (48 articles, 500 words each.) Syndicated nationality to newspapers by the Western Newspaper Union.

True stories from Illinois history. (200 articles, 500 words each.) Syndicated to Illinois newspapers by the Midland Feature Service.

WATSON, F. R.

(3) Articles:

Acoustical properties of buildings. Western Soc. of Engin. J. 26: 241-247. (4700)

Acoustical design in buildings. State Acad. Sci. 14:297. (1800)

Acoustical specifications in buildings. Technograph, 33:147. (1600)

A motion picture cure for faulty acoustics. Pop. Sci. Mo. 99:47. (350)

An acoustical galvanometer for the measurement of small alternating currents. Phys. R. 18:178-84. (3200)

Sound proofing a building. Arch. Forum, 35:178-82. (5000)

Sound proofing in hospitals. The Modern Hospital, 18:215-18. (3000)

with Worsham, W. B.

Doppler's principle illustrated by ripple waves. Phys. R. 19:262. (Abstract) (200)

(4) Books:

Sound proof partitions. Eng. Exp. Station, Urbana, 1922. 78 pp. illus.

WELKER, W. H.

see Bollman, J. L.

WESTERGAARD, H. M.

(3) Articles:

Buckling of elastic structures. Amer. Soc. of Civil Eng. Proc. 57: 9:455-533. (45000)

Deflections of beams by the conjugate beam method. Western Soc. of Engineers J. 26:11:369-96. (1500)

with Slater, W. A.

Moments and stresses in slabs. Amer. Concrete Inst. Proc. 17:415-538. (60000)

WHITE, HOWARD.

(1) Book notices:

The history of the San Francisco committee of vigilance of 1851 by Dr. Mary Floyd Williams. Amer. Pol. Sci. R. 16:1:148. (400) 16:1:148. (400)

(2) Original reviews:

Le gouvernement par les juges et la lutte contre la législation sociale aux etats-unis par Edouard Lambert. *Ibid.* 16:1:137-40. (1300)

WHITLOCK, M. C.

(1) Book notices:

Make your own hats, by Gene Allen Martin. J. of Home Econ. 14:4:193. (150)

WELKER, W. H.

(3) Articles:

Diet in relation to health. Nat. Dent. Assoc. J. 8:7:551-53. (1200)

The effect of subcutaneous injections of solutions of potassium cyanide on the catalase content of the blood. J. Biol. Chem. 48:2: 445-51. (800)

An apparatus for the estimation of catalase. J. Lab. and Clin. Med. 7:3:445. (400)

WILLARD, A. C.

(2) Original reviews:

Test at the University of Illinois to determine the heat losses from a pipeless warm air heater. Amer. Artis. and Hardware Rec. 82: 27:69-71. (1500)

Investigation of warm air furnaces and heating systems by Willard, Kratz, and Day. A review of Sec. 10, Bul. No. 120. Amer. Artis. 80:52:69-71.

(3) Articles:

The Hudson river vehicular tunnel ventilating problems. Technograph, 34:1:4-7-IV. (1000)

(4) Books:

with Kratz, A. P. and Day, V. S.

Investigation of warm-air furnaces and heating systems. Eng. Exp. Sta. Univ. of Ill., Urbana, Ill., 1921. 1-8+9-137 pp.

WILLIAMS, C. A.

(1) Book notices:

Psychologie der weltanschauungen by Karl Jaspers. Arch. of Neur. and Psychiatry, Dec. 1921. p. 719. (700)

WILLIAMS, L. W.

(3) Articles:

The mathematics needed in freshman chemistry. School, Sci. and Math. 21:7:654-65. (3500)

WILLIAMSON, C. S.

(3) Articles:

Pericarditis with effusion (reported clinic). Med. Clinics of N. Amer. 5:1:17-35. (4600)

Pericarditis with effusion; a clinical study of twenty-three cases. Amer. Med. Assoc. J. 77:51:2050-52. (1200)

WILSON, W. M.

(3) Articles:

Proposed investigations in structural engineering. Western Soc. of Engineers J. 26:8:289-96. (4000)

WOOLBERT, C. H.

(1) Book notices:

Models of speech composition. Q. J. of Speech Educ. 8:2:193-95. (500)

(2) Original reviews:

The aesthetic attitude. *Ibid.* 7:3:298-99. (500)

(3) Articles:

Fundamentals in the teaching of better speech. H. S. Conf., Proc., U. of Ill. 1921. 201-10. (70000)

Editorials. Q. J. of Speech Educ. 7:3:272-75. (1200). 7:4:383-85. (900). 8:1:87-89. (1200). 8:2:166-68. (1100)

Decisionless Debates. *Ibid.* 7:3:287-89. (400)

WRIGHT, IVAN.

(3) Articles:

The financial position of the farmer. Credit Mo. 23:5:9-13. (4000)

Farmers' organizations non-political. *Ibid.* 23:9:23. (1200)

How credit conditions in a country town involve the rest of the country. Chicago Commerce, 17:15:20-21. (2000)

Farmers alone of all producers make a favorable showing in 1921 compared with 1920. *Ibid.* 17:23:12. (1200)

Corn belt credit conditions. Bankers M. 103:1:37-38. (1500)

Interest and rediscount rates in relation to commercial credit. *Ibid.* 104:3:60-62. (2500)

High prices but not big profits. Chicago Daily Drovers J. Oct. 20, 1921. (2500)

Reserve board o. k.'s co-op farm paper for rediscount. *Ibid.* Jan. 7, 1922. (1500)

Economic aspects of land reclamation. Mississippi Vall. M. 4:4:15. (1500)

Financing the marketing of staple farm crops. J. of Farm Econ. 4:1. (5000)

WYLIE, C. C.

(3) Articles:

The effect of the barometric gradient on meridian observations. Pop. Astron. 29:8:479-81. (950)

YERGER, C. F.

(3) Articles:

Intracranial complications of nasal accessory sinus disease—a report of 16 cases. Ill. Med. J. Nov. 1921. (2500)

YNTEMA, L. F.

see Hopkins, B. S.

YOUNG, P. T.

(1) Book notices:

Reviews of every article appearing in the Psychological Review. Psych. Bul. 18:5:237, 238, 246-47, 248, 250, 258. 18:10:501, 520, 563.

ZEITLIN, JACOB.

(1) Book notices:

The Russian bolshevik revolution by E. A. Ross. Nation, 113:2930: 238-239. (800)

Language by E. Sapir. *Ibid.* 114:2957:290-91. (1200)

Reminiscences and note-book of Anton Chekhov. *Ibid.* 114:2961:400. (900)

(3) Articles:

Turgenev and his heroes. *Ibid.* 112:2916:712-13. (2500)

The editor of the London Magazine. J. of Engl. and Ger. Philol. 20:3:328-54. (8500)

ZELENY, CHARLES.

(3) Articles:

Decrease in sexual dimorphism of bar-eye Drosophila during the course of selection for low and high facet number. Amer. Naturalist, 55:5:404-11.

The direction and frequency of mutation in the bar-eye series of multiple allelomorphs of Drosophila. J. Exp. Zool. 34:2:203-33.

Effective reverse selection in bar-eye of Drosophila due to the appearance of mutations. Abstract. Amer. Soc. Zool. Proc. 1921. 22.

The effect of selection for eye facet number in the white bar-eye race of Drosophila melanogaster. Genetics, 7:1:1-115.

UNIVERSITY OF ILLINOIS
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION OF THE UNIVERSITY OF ILLINOIS

May 1, 1922—April 30, 1923

The publications of the faculty of the University of Illinois during the past year ended April 30, 1923, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

ADAMS, ROGER

(2) Original reviews:

The fundamental processes of dye chemistry by Dr. Hans Edward Fierz-David. J. Am. Chem. Soc. 44:1922:2069. (400)

Organic chemistry or chemistry of the carbon compounds by Victor von Richter. Vol. II. *Ibid.* 44:1922:2067. (275)

(3) Articles:

with Folger, M. F., and Kreger, C. W.

The structure of disalicyl aldehyde. *Ibid.* 44:1922:1126. (3400)

with Palmer, C. S.

The reactions of the arsines. II. *Ibid.* 44:1922:1356. (16000)

with Voorhees, V.

The use of the oxides of platinum for the catalytic reduction of organic compounds. I. *Ibid.* 44:1922:1397. (4500)

with Roman, F. L., and Sperry, W. N.

The structure of the compounds produced from olefins and mercury salts: mercurated dihydrobenzofurans. *Ibid.* 44:1922:1781. (4000)

with Langley, W. D.

Condensation of certain nitriles and various polyhydroxyphenols to form phenolic acids. *Ibid.* 44:1922: 2320. (6000)

with Pierce, J. S.

Tetrahydro-1, 3, 2-oxazones and substituted gammaamino propanols. *Ibid.* 45:1923:790. (3500)

with Carothers, W. H.

Platinum oxide as a catalyst in the reduction of organic compounds. II. Reduction of aldehydes. Activation of the catalyst by the salts of certain metals. *Ibid.* 45:1923:1071. (8300)

with Bullock, J. E., and Wilson, W. C.

Contribution to the structure of benzidine. *Ibid.* 45:1923:522. (3500)

with Wilson, W. C.

Rings through the meta and para positions of benzene. A study of certain ethers of resorcinol and meta-amino-phenol. *Ibid.* 45:1923:528. (9000)

with Segur, J. B.

Beta-arylamino ethanols. *Ibid.* 45:1923:785. (4000)

ADAMS, ROGER

(4) Books (cont'd):

with Conant, J. B., Clarke, H. T., and Kamm, Oliver.

Organic syntheses. Vol. II. John Wiley and Sons, N. Y. 1922. 2000+ 43000

with Marvel, C. S.

Organic chemical reagents IV. Univ. Press, Urbana, 1922. (32000)

ASHTON, B. L.

(3) Articles:

Some contrasts in the geography of the Virginia Piedmont and the Illinois plain. J. of Geog. 22:1:16-20. (2000)

Geography in the interpretation of history. Proc. of the H. S. Conf. U. of Ill. 20:29:378-83. (4100)

ATKINSON, H. V.

see Ets, H. N.

BABBITT, H. E.

(3) Articles:

Non-uniform flow and significance of drop-down curve in conduits. Eng. News-Record, 89:25:1067-69. (2500)

BACON, C. S.

(3) Articles:

Some obstetrical problems involved in still-born births and deaths of new-born infants. J. of the Iowa State Med. Soc. 13:1:15-21. (6500)

BAKER, F. C.

(1) Book notices:

The mollusca collected by the University of Michigan-Walker expedition in Southern Vera Cruz, Mexico, by H. B. Baker. Ecology, 3:4:342. (100)

Final report on the study and appraisal of mussel resources in selected areas of the upper Mississippi river by N. M. Grier. *Ibid.* 3:4: 342. (70)

The edible clams, mussels, and scallops of California by Frank W. Weymouth. *Ibid.* 3:4:344-45. (224)

Mollusca of North Dakota by Mina L. Winslow. *Ibid.* 3:4:345. (75)

(2) Original reviews:

Stream pollution. A review of a paper, Stream pollution studies by Russel Suter and Emmeline Moore. *Ibid.* 3:4:340-41. (480)

(3) Articles:

The molluscan fauna of the Big Vermilion River, Illinois, with special reference to its modification as the result of pollution by sewage and manufacturing wastes. Biol. Mon. Univ. of Ill. 7:2:1-126. (15 plates)

Fluke infections and the destruction of the intermediate host. J. Parisitology, 8:145-47. (1460)

The museum, the original exponent of visual education. School, Sci. and Math. 22:7:651-55. Trans. Ill. Acad. of Sci. 15:107-12. (2100)

Baker, F. C.

(3) Articles (cont'd):

A new Anodontoides from Wisconsin. The Nautilus, 36:4:123-25. (600)

Description of a new Lymnaea from Yellowstone Park. *Ibid.* 36:4: 125-26. (225)

Pleistocene Mollusca from the vicinity of Joliet, Illinois. Trans. Ill. Acad. of Sci. 15:408-20. (4650)

Baker, J. B.

see Hamilton, T. S.

Baldwin, E. C.

(3) Articles:

An old panacea for the world's disease. Amer. Israelite, 69:28:8. (1200)

A proposed investment in character. *Ibid.* 69:32:1. (1000)

Easter and the Passover. Amer. Hebrew, 112:20:606-42. (1500)

Bauer, E. E.

(3) Articles:

with Richart, F. E.

Relations between voids and plasticity of cement mortars at different relative water contents. Proc. A. S. T. M. 22:385-403. (4000)

Bauer, F. C.

(3) Articles:

The foraging power of plants for phosphate rock. J. Amer. Soc. of Agron. 15:3:99-109. (4000)

Bauer, R. S.

(4) Books:

with Britton, W. E.

Britton and Bauer's Cases on business law. West Pub. Co., St. Paul, 1922. 5+1563 pp.

Bayley, W. S.

(1) Book notices:

Petrog. methods and calculations by Holmes. Ec. Geol. 17:4:306-7. (600)

Petroleum—Where and how to find it by Blum. *Ibid.* 17:8:719. (225)

Introduction to sedimentary petrography. *Ibid.* 18:2:198. (350)

(3) Articles:

General features of the brown hematite ores of western North Carolina. U. S. Geol. Surv. Bul. 735-F:111-208. (23000)

General features of the magnetite ores of western North Carolina and eastern Tennessee. *Ibid.* 735-G:208-270. (31500)

Kaolins from pegmatites, N. Carolina. *Ibid.* 708:18-78. (30500)

Kaolins from pegmatites, S. Carolina. *Ibid.* 708:79-82. (2000)

Sedimentary clays, S. Carolina. *Ibid.* 708:164-94, 211-222, 230-32. (23000)

Bayley, W. S.

(3) Articles (cont'd):

A magnetite-marble ore at Lansing, N. Carolina. J. Elisha Mitchell Sci. Soc. 37:3-4:138-52. (6000)

(4) Books:

Elementary crystallography. 2d ed. McGraw-Hill Bk. Co., New York, 1923. xii+241 pp.

Beal, G. D.

(1) Book notices:

with Buswell, A. M.

Chemical examination of water, sewage, and foods by Purvis and Hodgson. Ind. and Eng. Chem. 15:2:212. (250)

(3) Articles:

with Gunton, J. A.

A reinvestigation of the proximate composition of Rhamnus Frangula. J. Amer. Pharm. Assoc. 11:9:669-82.

Beard, G. H.

(3) Articles:

Contribution of student health services to public health. J. of Amer. Med. Assoc. 79:274-76. (2500)

Air space per patient and some factors that influence its determination. The Mod. Hosp. 19:37. (300)

Bentley, Madison

(4) Books:

Psychological index, vol. 28. Psychol. Rev. Co., Princeton, N. J. 1922. v+168 pp.

Berdahl, C. A.

(3) Articles:

The operation of the Richards primary. Ann. Amer. Acad. CVI: 195:158-71. (7500)

List of recent publications of political interest. Amer. Pol. Sci. R. quarterly, 1922-23.

American Political Science Review. Acting managing editor, Feb.-May, 1923.

Blanchard, W. O.

(3) Articles:

Man and topography in southwestern Wisconsin. Ill. State Acad. of Sci. 1922. (750)

(4) Books:

Geography of Illinois. (Supplement to McMurry and Parkins Advanced geography). Macm., N. Y., 1923. 60 pp.

Blumberg, Henry

(2) Original reviews:

The theory of functions of a real variable by E. W. Hobson. Sci. 56:1455:574-76. (800)

(3) Articles:

New properties of all real functions. Proc. Nat. Acad. of Sci. 8:10:283-88. (2500)

Boyer, C. V.

(1) Book notices:

Hellenism or Calvinism? A review of Two reviews of education by Lane Cooper. The Freeman, 6:150:476. (750)

The technique of Thomas Hardy by Joseph Warren Beach. The Freeman, 6:153:550. (250)

(3) Articles:

Self-expression and happiness. Internat. J. of Ethics, 33:3:263-90. (9000)

Bradley, M. J.

(3) Articles:

with Parr, S. W.

Decomposition processes applicable to certain products of coal carbonization. Chem. and Met. Eng. 27:15:737-44. (12000)

Coke. Ill. Chem. 7:2:34-36. (4000)

Brahana, H. R.

(3) Articles:

Systems of circuits on two-dimensional manifolds. Ann. of Math. 23:144-68.

Braucher, H. H.

(3) Articles:

Bird house architecture. A brief letter. Ind. Arts M. 11:6:24. (600)

Brooks, N. C.

(3) Articles:

Scogan's Quem quaeritis and Till Eulenspiegel. Mod. Lang. Notes, 38:1:57. (500)

Brown, E. V. L.

(2) Original reviews:

Glaucome and hypotonie by Felix LaGrange. J. Amer. Med. Assoc. 80:575. (375)

Brown, H. A.

(3) Articles:

with Knipp, C. T.

The effect of pressure and gas content on the action of vacuum tube detectors. Phys. Rev. 19:3:278-80.

Alkali vapor detector tubes. *Ibid.* 21:2:209. Radio News, 4:8:1456. Radio Age, Nov., 1922.

Alkali vapor detector tubes with variable spacing of electrodes. Phys. Rev. 21:3:287.

The effect of alkali vapors and other gases at various pressures in thermionic tubes. Trans. Ill. State Acad. of Sci. 15:267-78.

Photo-electric electron tubes. Proc. Inst. of Radio Eng. 10:6:451-67.

Pressure and gas content in vacuum tube detectors. Wireless Age, 9:10:78-79.

Bunting, E. N.

(3) Articles:

The determination of the porosity of highly vitrified bodies. J. Amer. Cer. Soc. 5:8:527-37. (3000)

Note on the effect on manganese in glass melted under reduced pressure. *Ibid.* 5:9:594-96. (1000)

Burlison, W. L.

(3) Articles:

with Holbert, J. R., Biggar, H. H., Koehler, Benj., Dungan, G. H., and Jenkins, M. T.

Early vigor of maize plants and yield of grain as influenced by the corn root, stalk, and ear rot diseases. J. of Agric. Res. 23:8: 583-630. (10000)

with Flint, W. P.

Fight the chinch-bug with crops. Univ. of Ill. Agric. Coll. and Exp. Stat. Circ. 268. (4000)

Buswell, A. M.

(1) Book notices:

with Beal, G. D.

The chemical examination of water, sewage, and foods by J. E. Purvis and T. R. Hodgson. Ind. and Eng. Chem. 15:2. (300)

(3) Articles:

Chemistry of sanitation. J. Ind. and Eng. Chem. 14:9:6. (3000)

Boutron Boudet soap solution. J. Amer. Water Wks. Assoc. 9:6:4. (2000)

Importance of oxygen and stirring for activated sludge growth. Eng. News Rec. 90:22:8. (3000)

with Long, H. L.

Microbiology and theory of activated sludge. J. Amer. Water Wks. Assoc. 10:2:13. (5000)

(4) Books:

Standard methods for the examination of water and sewage. Amer. Pub. Health Assoc., N. Y., 1923. 115 pp.

Activated sludge studies, 1920-1922. Bulletin no. 18, Ill. State Water Survey. Ill. State Register, Springfield, 1923. 150 pp.

Calvery, H. O.

see Marvel, C. S.

Camp, C. C.

(3) Articles:

An extension of the Sturm-Liouville expansion. Amer. J. of Math. 44:1:25-53. (11000)

Expansions in terms of solutions of partial differential equations (abstracts). Bul. of the Amer. Math. Soc. 28:8:383. (175) 29:3:124. (200)

Camp, H. L.

(3) Articles:

Illinois high-school libraries. Univ. of Ill. H. S. Visitor's Rept. 1922: 9-19.

Camp, H. L.

(3) Articles (cont'd):

Evaluation of standard tests. H. S. Conf. Proc. 1922:370-74.

High-school libraries. Ill. Assoc. of Eng. Teachers Bul. 15:7.

Standard tests and uses for physics teaching. School Sci. and Math. 22:5:441-46.

Carman, A. P.

(3) Articles:

A second undamped wave method of determining dielectric constants. Phys. Rev. 20:6.

Comparison of resistance changes in transverse and in longitudinal magnetic fields. *Ibid.* 21:2.

Carmichael, R. D.

(1) Book notices:

Review of Gentile's Reform of education. Lit. Rev. Oct. 28, 1922. (800)

Review of Rueff's Des sciences physiques aux sciences morales. *Ibid.* Oct. 28, 1922. (800)

Review of Boll's La science et l'esprit positif. *Ibid.* Mar. 10, 1923. (500)

(3) Articles:

The logic of discovery. Monist, 32:4:569-608. (13000)

Abstract definitions of the symmetric and alternating groups and certain other permutation groups. Qtrly. J. of Math. 49:226-83. (25000)

Boundary value and expansion problems: oscillation, comparison, and expansion theorems. Amer. J. of Math. 44:2:129-52. (11000)

Carothers, W. H.

see Adams, Roger.

Carver, E. K.

(3) Articles:

An improved optical lever manometer. J. Amer. Chem. Soc. 45: 1:59-63. (2000)

The adsorption of toluene vapor on plane glass surfaces. *Ibid.* 45: 1:63-67. (2000)

Chiles, H. M.

see Noyes, W. A.

Cigrand, B. J.

(3) Articles:

Northeastern Illinois. Beacon-News, Aurora, Ill.

(4) Books:

History of medicine and surgery. Author, Chicago, 1923. 264 pp. illus.

Clark, T. A.

(3) Articles:

College activities. College Admin. (4200)

Clark, T. A.

(3) Articles (cont'd):

Should he join a fraternity? Amer. Boy. (4000)

The negro's task. Kappa Alpha Psi J. (1000)

What must I do to make good? Pers. Efficiency. (1000)

History and development of the office of dean of men. School and Soc. (4000)

A vacation at home. Story. Outers' Recreation. (2500)

Making one's self. Story. Assoc. Men. (3000)

Nancy's hobo. Story. Ill. Mag. (2000)

Advisory systems for students. School and Soc. (3500)

Concerning the chapter house. Angelas of Kappa Delta. (1500)

Coble, A. B.

(1) Book notices:

Étude géomètrique des transformations birationelles et des courbes planes par Henri Malet. Bul. of the Amer. Math. Soc. 29:1:38. (100)

(3) Articles:

Cremona transformations and applications to algebra, geometry, and modular functions. *Ibid.* 28:7:329-364. (14000)

Colby, A. S.

(3) Articles:

Strawberry club manual. Ill. Circ. 254:15. (5000)

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Lybyer, A. H.

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International relations by J. Bryce; Near Eastern affairs and conditions by S. Panaretoff; Russia's foreign relations during the last half century by S. Korff. Amer. Pol. Sci. Rev. 16:4:695-99. (1600)

La renaissance de l'Hellénisme by E. Driault. Amer. Hist. Rev. 27: 1:123-25. (800)

Secret treaties of Austria-Hungary, 1879-1914 by A. Pibram. Amer. Pol. Sci. Rev. 16:1:128-30. (750)

History of Balkan Peninsula by F. Schevill. Amer. Hist. Rev. 28: 3:528-30. (1000) New Rep. 33:423. (950)

New world of Islam by L. Stoddard. Amer. Hist. Rev. 27:2:322-24. (1200)

Turkey, a world problem of today by Talcott Williams. J. of Int. Rel. 12:4:576-79. (1100)

(3) Articles:

Turkey under the armistice. J. of Int. Rel. 12:4:447-473. (8500)

(4) Books:

Report of the King-Crane Commission, written by Messrs. King, Crane, Lybyer, et al. Supplement to Editor and Publisher, 55: 27. Also in N. Y. Times, Dec. 3-4, 1922. (18000 by Lybyer, 50000 in all)

Lytle, E. B.

(1) Book notices:

A study of mathematical education by Branford. Bul. of Amer. Math. Soc. 29:2:90. (400)

McAnlis, C. R.

(3) Articles:

Investigation of stresses in a Gothic vault. Techno. 34:4:192-93, 199. (1500)

McDougall, W. B.

(1) Book notices:

All articles appearing in the Trans. British Mycol. Soc. during the year. Botan. Abst. throughout the year.

McDougall, W. B. (cont'd)

(3) Articles:

Mycorhizas of coniferous trees. J. Forestry, 20:3. (2000) (3 figs.)

Notes on Illinois mushrooms. Trans. Ill. State Acad. Sci. 15:121-25. (1500) (2 pl.)

MacGillivray, A. D.

(3) Articles:

Species of Dolerus from Oregon. Insecut. Inscitiae Menstru. 11:1-3: 31-35. (1400)

The anal veins in the wings of Diptera. Entom. News, 34:4:106-11. (1900)

New western species of Dolerus. (Tenthredinidae, Hymenoptera). Can. Entom. 55:3:65-68. (1500)

McGuigan, Hugh

(3) Articles:

The action of furfurol. J. Pharmacol. 21:1. (4000)

The efficacy of arsenic antidote. *Ibid.* 21:204. (200) J. Amer. Pharm. Assoc. Apr., 1923. (4000)

McKenzie, Kenneth

(1) Book notices:

Tittoni on Italy. A review of Modern Italy by Tommaso Tittoni. Lit. Rev. 3:17:350. (1400)

(2) Original reviews:

Recent Dante publications. *Ibid.* 3:6:105-6. (2600)

(4) Books:

Conferenze sulla letteratura Americana. Laterza, Bari, 1922. 131 pp.

La vita nuova di Dante Alighieri, ed. with introd., notes, and vocabulary. D. C. Heath and Co., Boston, 1922. 26+172 pp.

Marvel, C. S.

(3) Articles:

with Adams, Roger.

Organic chemical reagents. Univ. of Ill. Bul. 20:8:1-67.

with Tanenbaum, A. L.

The preparation of 1, 4-dihalogen derivatives of butane. J. Amer. Chem. Soc. 44:11:2645-50.

with Calvery, H. O.

The preparation of dialkyl mercury compounds from the Grignard reagent II. *Ibid.* 45:3:820-23.

Mathews, J. M.

(2) Original reviews:

Life of John Marshall by Beveridge and Life of R. B. Taney by Steiner. Amer. Pol. Sci. Rev. 16:4:708-9. (750)

(3) Articles:

State administrative reorganization. Amer. Pol. Sci. Rev. 16:3:387-98. (4000)

State labor legislation. Ill. Law Quart. 5:2:101-19. (7000)

Municipal representation in state legislatures. Nat. Mun. Rev. 12: 3:135-41. (3250)

MAYS, A. B.

(3) Articles:

The mechanic-teacher. Ind. Arts Mag. 11:6:217-19. (2500)

Nashville: a study of political pathology. Nat. Mun. Rev. 12:1: 12-15. (2500)

The enrichment of the manual arts. Ind. Arts Mag. 12:4:131-34.

Industry and the public schools. Amer. Foundrymen's Assoc. Preprint, 382:8-11. (1000)

METCALF, C. L.

(3) Articles:

Insects injurious to domestic animals. Ill. Agric. 27:6:191-215. (5000) (1 pl.)

MEYER, JACOB

(3) Articles:

Active immunization with diphtheria toxin antitoxin—Observation of the Schick test—Duration of immunity with diphtheria toxin antitoxin. J. A. M. A. 78:716-18. (3000)

Experiences with non-surgical drainage of the gall bladder. Ill. Med. J. 1. (6000)

with Ivy, A. C.

Studies on gastric and duodenal ulcer. The relation of epigastric hernia to gastric ulcer. A clinical and experimental study. J. Lab. and Clin. Med. 8. (6000)

MILLER, G. A.

(1) Book notices:

Mathematical philosophy. A study of fate and freedom by C. J. Keyser. Amer. Math. Mo. 29:408. (800) Sci. 56:229. (700)

Plane and solid analytic geometry by W. F. Osgood and W. C. Granstein. *Ibid.* 56:420. (700)

(3) Articles:

Number of substitutions omitting at least one letter in a transitive group. Proc. Nat. Acad. Sci. 8:238. (600)

Sets of conjugate cycles of a substitution group. *Ibid.* 9:52. (900)

Form of the number of the subgroups of a prime power group. *Ibid.* 9:237. (1000)

The simple group order 2520. Bul. Amer. Math. Soc. 28:98. (2000)

Substitutions commutative with every substitution of an intransitive group. *Ibid.* 24:168. (1000)

Groups in which the number of operators in a set of conjugates is equal to the order of the commutator subgroup. *Ibid.* 29:64. (3000)

Note on the term maximal subgroup. Ann. of Math. 23:68. (1000)

Substitution groups whose cycles of the same order contain a given number of letters. Amer. J. of Math. 44:122. (3500)

Disagreeing with the textbook. School and Soc. 16:441. (3600)

Tangent lines among the Greeks. School Sci. and Math. 22:715. (1000)

Third list of marginal notes on Cajori's History of mathematics. *Ibid.* 23:138. (3500)

Miller, G. A.

(3) Articles (cont'd):

Tangent straight lines among the Greeks. *Ibid.* 23:320. (1200)

Easy group theory. Scientific Mo. 15:512. (3500)

Contradictions in the literature of group theory. Amer. Math. Mo. 29:319. (5000)

Comments on the reply by Professor Cajori. *Ibid.* 29:304. (700)

Classification of positive integers as regards the ultimate sum of their digits. Math. Teacher, 16:247. (800)

Mitchell, H. H.

(3) Articles:

The place of proteins in the diet in the light of the newer knowledge of nutrition. Amer. J. of Pub. Health, Jan., 1923. pp. 1-7. (3100)

The net protein value of feeds and food materials. Proc. Amer. Soc. An. Prod. Mar., 1923. pp. 55-58. (1300)

with Nevens, W. B., and Kendall, F. E.

The relation between the endogenous catabolism and the non-protein constituents of the tissues. J. Biol. Chem. 52:2:417-37. (7200)

Mohlman, D. K.

(3) Articles:

The attainment of pupils on certain group intelligence tests. School and Soc. 14:404:359-63. (3000)

The elementary school principalship. Univ. of Ill. Bul. (Educ. Res. Circ. 17) 29:36:3-14. (6100)

A preliminary study of the problems in the training of the non-preferred. J. of Educ. Psych. 14:4:215-230. (6300)

with Monroe, W. S.

Errors may by high-school students in one type of text book study. School Rev. 31:1:36-47. (4700)

Monroe, W. S.

(1) Book notices:

Silent reading—A study of the various types by C. H. Judd and G. T. Buswell. Educ. Rev. 65:4:272-73. (850)

(3) Articles:

A critical study of certain silent reading tests. Univ. of Ill. Bul. 19:22:1-52. (20000) (Educ. Res. Bul. 8.)

Relation of size of class to school efficiency. *Ibid.* 19:45:1-39. (Educ. Res. Bul. 10)

Written examinations and their improvement. *Ibid.* 20:7:1-71. (30000) (Educ. Res. Bul. 9)

Relation of sectioning a class to the effectiveness of instruction. *Ibid.* 20:11:1-18. (7300) (Educ. Res. Bul. 11)

Announcement of the Bureau of Educational Research for 1922-23. *Ibid.* 20:2:1-7. (3000) (Educ. Res. Circ. 12)

Definitions of the terminology of educational measurements. *Ibid.* 20:6:1-18. (7300) (Educ. Res. Circ. 13)

Educational tests for use in elementary schools. *Ibid.* 20:16:1-22. (9000) (Educ. Res. Circ. 15)

Monroe, W. S.

(3) Articles (cont'd):

Educational tests for use in high school. *Ibid.* 20:38:1-18. (7300) (Educ. Res. Circ. 18)

Opportunities and responsibilities in educational research. Phi Delta Kappan, 5:3:16-20. (3600)

The making of standardized educational tests (Part I). Cath. School Interests, 2:1:11-13. (4500)

A simplified method of determining a pupil's score on Gray's Oral reading test. School and Soc. 15:385:538-40. (2000)

The use and interpretation of coefficients of correlation. *Ibid.* 16: 402:288-92. (4000)

with Foster, I. O.

The status of the social sciences in the high schools of the North Central Association. Univ. of Ill. Bul. 20:18:1-38. (15500) (Educ. Res. Bul. 18)

with Mohlman, D. K.

Errors made by high school students in one type of text book study. School Review. 31:1:36-47. (4600)

(4) Books:

Introduction to the theory of educational measurements. Houghton Mifflin Co., Cambridge, Mass., 1923. 23+364 pp.

Moodie, R. L.

(2) Original reviews:

The paleopathology of the parasuchia. Sci. 56:1450.

The paleopathology of the fossil invertebrates. *Ibid.* 56:1453.

(3) Articles:

Actinomycosis in a fossil rhinocerous. J. Parasit. 60:28-29.

An unusual form of pliocene pathology. Amer. J. Sci. 5:334-36. (1 fig.)

(4) Books:

The antiquity of disease. Univ. of Chi. Press, Chicago, 1923. x+ 150 pp. (38 figs.)

Paleopathology. Univ. of Ill. Press, Urbana, 1923. 567 pp. 117 plates, 49 figs.

Moore, H. F.

(3) Articles:

Measurement of the force of impact by means of the elastic stretch of a steel bar. Proc. Amer. Soc. for Test. Mat. 22:2:124-27. (1000)

How metals get tored. Country Gent., Mar. 5, 1923. (1000)

with Jasper, T. M.

Recent developments in fatigue of metals. Iron Age, 110:13:779-84. (3000)

An investigation of the fatigue of metals, series of 1922. Univ. of Ill. Eng. Exp. Sta. Bul. 136:1-97. (20000)

with Jasper, T. M., and Konners, J. B.

Fatigue or progressive failure of metals under repeated stress. Proc. Amer. Soc. for Test. Mat. 22:2:266-87. (7500)

Moore, H. F. (cont'd)

(4) Books:

A text-book of the materials of engineering. 3d ed. rev. McGraw-Hill Bk. Co. N. Y., 1922. 2+305 pp.

Nelson, M. N.

(3) Articles:

The effect of open price association activities on competition and prices. Amer. Econ. Rev. 13:2:258-75. (10000)

(4) Books:

Open price associations. Univ. of Ill., Urbana, Ill., 1922. 7+240 pp.

Nevens, W. B.

(3) Articles:

Feeding and management of the dairy herd. Ill. Agr. Exp. Sta. Circ. 269. (15000)

with Mitchell, H. H., and Kendall, F. E.

The relation between the endogenous catabolism and the non-protein constituents of the tissues. J. Biol. Chem. 52:417-37. (7000)

Newcomb, Rexford

(1) Book notices:

Spanish interiors and furniture by Byne and Stapley. Western Arch. 31:7:90. (500)

Small French buildings by Coffin, Polehmus, and Worthington. *Ibid.* 31:7:90. (350)

American house by Keen. *Ibid.* 31:9:108. (650)

Die brucke by Zucker. *Ibid.* 31:9:109. (500)

History of architecture upon the comparative method by Fletcher. *Ibid.* 32:2:21. (650)

(3) Articles:

Some interesting and historic European bridges. Worth While, 7:10: 5-7, 25-29. (4000)

Historic use of color in architecture. Part I. Arch. 41:5:329-32. (3300) Part II. *Ibid.* 41:6:370-72, 384. (2800)

The University of Illinois—A land-grant college. Eng. Educ. 14:8: 331-47. (4000)

A review of recent English domestic architecture. Western Arch. 31: 8:92-98. (2000)

The ascendant artistic idealism of the middle West. *Ibid.* 31:9:101-03. (1700)

Modern tendencies in German architecture. *Ibid.* 31:9:104-08. (1500)

Reconstruction of the Bank of England. *Ibid.* 31:10:116-17. (500)

Dr. Nathan Clifford Ricker—A pioneer in American architectural edcation. *Ibid.* 31:6:78-79. (1600)

Dr. Ira O. Baker retires. *Ibid.* 31:8:98-100. (1000)

The work of Louis Christian Mullgardt in Honolulu. *Ibid.* 31:11: 123-26. (2000)

The new Illinois state penitentiary at Stateville. *Ibid.* 31:12:134-38. (3300)

Newcomb, Rexford

(3) Articles (cont'd):

Samarkand, the new Persian hotel at Santa Barbara. *Ibid.* 31:12: 139-41. (1500)

The new Harris-Selwyn "twin" theatres in Chicago. *Ibid.* 32:1:9-10. (2000)

The Alpine quality in architecture. *Ibid.* 32:2:14-16. (1500)

The architecture of the Spanish renaissance in California. Part XXVI, Rancho Camulos, the home-place of the fabled Ramona.

The new library at the University of Louvain. *Ibid.* 32:4:47-48. (1100)

(4) Books:

Outlines of the history of architecture, Part I. Edwards Brothers, Ann Arbor, Mich., 1922. 101 pp.

Noyes, F. B.

(2) Original reviews:

Origin and evolution of the human dentition by Wm. K. Gregory. Amer. Med. Assoc. J. 80:16:1169-70. (185)

(3) Articles:

First permanent molar. *Ibid.* 79:21:1760-62. (1000+400 discussion)

Prevention of malocclusion. Chicago Dent. Soc. Bul. 3:26:6-14. (3680+1200 discussion)

President's address. Ill. State Dent. Soc. Trans. 1922:5-20. (1700 exhibits, 7750 discussion, 2550)

Noyes, W. A.

(3) Articles:

Positive and negative valences. Soc. Chem. 9-10:557-60. (1400)

The foundations for chemical development. J. Ind. and Chem. Eng. 14:9:1-4. (1000)

America first. *Ibid.* 14:12:1170. (1000)

Preparation of absolute alcohol with calcium chloride and lime. J. A. C. S. 45:3:857-62. (2400)

Transference experiments with electromeric derivatives of hydroxylamine (Hibben). *Ibid.* 45:2:355-59. (2400)

with Wilson, T. A.

The ionization constant of hypochlorous acid. Evidence for amphoteric ionization. *Ibid.* 44:8:1630-37. (3000)

with Chiles, H. M.

Optically active Diaz compounds. II. *Ibid.* 44:8:1798-1810. (5760)

with Goebel, W. F.

Catalysis of the formation and hydrolysis of acetanide by acetic acid. *Ibid.* 44:10:2286-95. (6940)

with Lochte, H. L. and Bailey, J. R.

Symmetrical di-isopropyl-hydrazine and its derivatives. II. *Ibid.* 44:11:2556-67. (5280)

with Ginnings, P. M.

Investigation of bromonitrocamphane. *Ibid.* 44:11:2567-73. (2880)

(4) Books:

Building for peace. Chem. Cat. Co., N. Y., 1923. 3+33 pp.

Ochsner, A. J.

(3) Articles:

Removal of renal calculus from pelvis of floating kidney. Surg. Clinics of N. Amer. 2:3:593-601. (3000)

(4) Books:

Surgical diagnosis and treatment. Vol. 4. Lea and Febiger, Phila. 1922. (950)

Odell, C. W.

(3) Articles:

Another criticism of tests requiring alternative responses. J. of Educ. Res. 7:4:326-30. (2000)

A further comment on "Baiting teachers." School and Soc. 17:453: 470-71. (1200)

The Barr diagnostic tests in American history. *Ibid.* 16:409:501-3. (1600)

An omnibus achievement test for the upper elementary grades. Elem. School J. 13:5:353-58. (2000)

The effect of attendance upon school achievement. Univ. of Ill. Bul. 20:31:8. (2500)

(4) Books:

The use of intelligence tests as a basis of school organization and instruction. Univ. of Ill., Urbana, 1922. 78 pp.

O'Donnell, T. E.

(3) Articles:

Early architecture of Ohio. Part. I. The Western Reserve. Western Arch. 31:10:112-15. (2200) (2 plates)

Early architecture of Ohio. Part II. The farmhouses of the Western Reserve. Western Arch. 31:11:127-29. (2000) (6 plates)

Oldfather, W. A.

(3) Articles:

Bibliographical notes on the fables of Avianus. Pap. Bibl. Soc. of Amer. 15:2:61-72. (3000)

An appeal for the Thesaurus linguae latinae. Class. J. 18:1:45-54. (3500)

Lokris and 70 other articles on related topics. Paulys Realencyclopaedie, Neue Bearb. 170 cols. (80000)

Studies in the history and topography of Lokris III. Amer. J. of Arch. 26:4:445-50. (2000)

Richard Bentley's critical notes on Arrian's Discourses of Epictetus. Trans. Amer. Philol. Assoc. 52:41-52. (3500)

Oliver, T. E.

(1) Book notices:

Oraison funèbra (sic) by Bossuet. Mod. Lang. J. 7:59. (200)

Selected letters of Madame de Sévigné, ed. by A. T. Baker. *Ibid.* 7:60-62. (1200)

Olmstead, A. T.

(3) Articles:

Near East problems in the second pre-Christian millenium. J. of Egyptian Archaeol. 8:223-32. (7000)

The why of Tut-ankh-amen. Ill. Mag. Mar. 8, 1923. (2500)

Parmelee, C. W.

(3) Articles:

Soluble slats and clay wares. J. Amer. Ceram. Soc. 5:8:16. (5900)

Refractory clays of Illinois. *Ibid.* 5:10:8. (3600)

History of ceramic education at the University of Illinois. *Ibid.* 6: 1:6. (2900)

with Schroyer, C. H.

Further investigation of Illinois fire clays. Ill. Geol. Surv. Bul. 43: 149. (71500)

Parr, S. W.

(3) Articles:

Illinois coal as a source of smokeless fuel. Power Plant Eng. Gas Age Rec. Trans. Ill. State Acad. Sci.

Short method for the ultimate analysis of coal. J. Ind. and Eng. Chem.

Calorific value of American woods. *Ibid.*

Classification of coal. *Ibid.*

Standardization of laboratory gas cocks. *Ibid.*

with Bradley, M. J.

A study of decomposition processes applicable to certain products of coal carbonization. Chem. and Met. Eng.

Parry, J. J.

(3) Articles:

Modern Welsh versions of the Arthurian stories. J. of Engl. and Germ. Philol. 21:4:572-600. (11000)

Patton, J. M.

(3) Articles:

The edematous cardiopath. Ill. Med. J. 43:2:10. (2700)

Paul, H. G.

(1) Book notices:

The book shelf. Bul. of the Ill. Assoc. of Teachers of Engl. 15:3: 15-16. (700)

The book shelf. *Ibid.* 15:4:19-20. (750)

Essential principles of teaching reading and literature by Leonard. J. of Educ. Res. 7:2:160-61. (500)

(3) Articles:

Visual education in the teaching of English. Educ. Screen, 2:5:206-8. (1500)

Some investigations for teachers of English. Bul. of the Ill. Assoc. of Teachers of Engl. 15:2:15-16. (600)

The research work of the Illinois association. Leaflet of the Wis. Teachers of Engl. 1:1:1-3. (1000)

PAUL, H. G.

(3) Articles (cont'd):

"Build thee more stately mansions." Bul. of the Ill. Assoc. of Teachers of Engl. 15:7:11-12. (500)

(4) Books:

with Miller, W. D.

A manual for a course in practical English. Lyons and Carnahan, Chicago, 1922. 1+320 pp.

PEASE, T. C.

(3) Articles:

Articles on Illinois in the Encyclopaedia Britannica (New volumes) Encyc. Brit. 31:423-26. (4500)

(4) Books:

Materials for historical research afforded by the University of Illinois. (Chairman of committee on preparation). Univ. of Ill. Press, Urbana, 1922. 9+47 pp.

PHIFER, C. H.

(3) Articles:

Hemorrhage following abdominal operation with special reference to appendectomy and excluding bleeding from the stump. Surg. Gyn. and Obst. Jan., 1923: 80-86. (3300)

PICKETT, B. S.

(3) Articles:

On the use of commercial fertilizers in nursery practice. Trans. Ill. State Nur. Assoc. 1923. (2500)
Florists Rev. 51:1313:35. Flor. Exchange, 55:5:303.
Southern Flor. Feb. 23, 1923.

PICKOF, F. L.

(3) Articles:

Studies in comparative immunity. I. Resistance of the frog to staphylococcus aureus. J. of Inf. Dis. 32:3:12. (5700)

PIERCE, N. H.

(3) Articles:

The original method for lantern shade projection roentgen ray films of the mastoid. J. A. M. A. 78:1539. (198)

The new method of closing the eustachian tube in the radical mastoid operation. *Ibid.* 79:1101-3. (1512)

Skiagraphic studies in ear disease with relation to the degree of pneumatization of the mastoid. Trans. of the Amer. Otological Soc. 16:58-83. (4440)

with Theobald, J. J.

Report on the conditions of hearing in an average Chicago public school. Volta Rev. Aug., 1922:1403.

PILOT, ISADOR

see Davis, D. J.

QUIRKE, T. T.

(3) Articles:

Wanapitei Lake map area. Geol. Surv. of Canada, Summary report 1921 Pt. D (pub'd. 1922) pp. 34-51. (21000) (Map)

RAND, HELEN

(3) Articles:

Training for rapid reading. Engl. J. 11:5:297-98. (1000)
Out of the dilemma of theme subjects. *Ibid.* 12:3:201-202. (1000)
And the prodigal son settled down. Breeder's Gaz. 81:670. (1500)
Something more than a clean-up day. *Ibid.* 81:768. (800)
Plenty of books for the home. *Ibid.* 82:814. (800)
A music awake community. *Ibid.* 82:124. (800)
An educated vs. an uneducated man. *Ibid.* 82:156-57. (1500)
The minstrel show idea. *Ibid.* 83:224-25. (2000)
Colors in clothes hung out. *Ibid.* 83:18. (500)
The mystery of manuscripts. The Editor, 60:1:4-7. (2500)
Experiments in unity, coherence, and emphasis. *Ibid.* 60:3:15-18. (1200)
A vocabulary test. *Ibid.* 60:4:22-24. (1200)
Cultivating variety of sentence structure. *Ibid.* 60:5:35-36. (1000)
Surmounting the college wall. The Independent, Interweekly, 2:7:14. (1500)
The essence of choke cherries. Rural New Yorker, 81:1320-21. (1000)
Paper hash toys. *Ibid.* 81:1102. (1200)

RANDALL, J. G.

(3) Articles:

The miners and the law of treason. North Amer. Rev. 216:3:312-22. (4200)

RATCLIFFE, S. C.

(3) Articles:

The Hutterites: A communistic sect based on a literal interpretation of Acts ii, 44. Grain Growers' Guide, 16:17:543, 558. (2200)

RAUCHENSTEIN, E.

(3) Articles:

Management in silo filling. Ill. Agric. 26:2:45, 57-58. (2200)
Rearranging farms to save men and power. Orange Judd Farmer, 71:4:5, 23. (1600)

RAYNER, W. H.

(3) Articles:

An analysis of the errors in taping. Proc. Ill. Soc. of Engrs. (2500)
The cultural element in engineering education. Proc. Soc. for Promotion of Eng. Educ. 30:156-61. (3000)
Report of the Urbana meeting of the Society for the Promotion of Engineering Education. School and Soc. 15:343:49. (500)

READ, C. F.

(3) Articles:

General hospital beds for acute mental cases. Ill. Med. J. Sept., 1922. (3500)

READ, C. F.

(3) Articles (cont'd):

Diffuse schleroderma with concurrent psychosis. J. of Nerv. and Ment. Dis. 56:4:313-21. (3500)

The Illinois state hospital medical service bulletin, a quarterly issue. Editor. 50 pp. quarterly.

with Kennedy, Mae.

Nurses training schools in state hospitals. Ment. Hyg. 7:1:127-36. (3500)

with Rotman, D. B.

A study of institutional escapes. Amer. J. of Psychiatry. 2:1. (4000)

REEDY, J. H.

(3) Articles:

How to get a closer relation between the chemistry of the high school and the college. Proc. High School Conf. 359-63. (4000) School Sci. and Math. 23:3:246-253.

RHODE, C. S.

(3) Articles:

Profitable week with the Jerseys in Illinois. Jersey Bul. 41:34:2017. (2500)

Highly successful Jersey farm in Illinois. *Ibid.* 42:7:311. (1500)

RICHART, F. E.

(3) Articles:

Recent developments in concrete research. Tech. 34:4:169-70, 197. (3000)

with Bauer, E. E.

Relations between voids and plasticity of cement mortars at different water contents. Proc. A. S. T. M. 22:2:385-403. (8000)

ROBERTSON, W. S.

(3) Articles:

Venezuela. Ency. Brit. New vol. 3:912-15. (4000)

(4) Books:

History of the Latin-American nations. Appleton, N. Y., 1922. 23+617 pp.

Hispanio-American relations with the United States. Oxford Univ. Press, N. Y., 1923. 12+470 pp.

ROBINSON, M. H.

(3) Articles:

Commerce for engineers. Tech. 35:1:23-24. (3000)

RODEBUSH, W. H.

(3) Articles:

The atom of the chemist. School, Sci. and Math. 22:737-48. (4000)

A simple graphical method of calculating the number of plates required for a distilling column. J. Ind. Eng. Chem. 14:1036. (1000)

RODEBUSH, W. H.

(3) Articles (cont'd):

with Yntema, T. O.

A low temperature electrolyte. J. Amer. Chem. Soc. 40:332-37. (2500)

A statistical theory of monomolecular reactions. *Ibid.* 45:606-14. (3200)

The rate of evaporation of electrons from hot filaments. *Ibid.* 45: 997-98. (400)

The general law for the distribution of energy in a system of particles. Phys. Rev. 21:198. (100)

The mass law and statistical equilibrium. Sci. N. S. 57:358. (300)

ROSE, W. C.

(3) Articles:

with Bodansky, M.

Comparative studies of digestion. I. The digestive enzymes of coelenterates. Amer. J. Physiol. 62:3:473-81. (2900)

Comparative studies of digestion. II. Digestion in elasmobranchs and teleosts. *Ibid.* 62:3:482-87. (1700)

with Dimmitt, P. S.

The nephropathic action of muric acid. Proc. Amer. Soc. Biol. Chem., J. Biol. Chem. 55:27. (180)

ROSECRANS, C. Z.

(3) Articles:

with Kratz, A. P.

A study of explosions of gaseous mixtures. Univ. of Ill. Eng. Exp. Sta. Bul. 133:19:50:1-96. (20000)

ROSS, H. A.

(3) Articles:

The production and utilization of manure on Illinois dairy farms. Ill. Agr. Exp. Sta. 240:471-90. (7000)

High cost of cheap cows. Hoard's Dairyman, 64:24:705. (2500)

with Pearson, F. A.

The comparative expense of mechanical and hand milking. Ill. Agr. Exp. Sta. 241:491-506. (6000)

RUSSELL, F. A.

(4) Books:

Management of the sales organization. McGraw-Hill, N. Y., 1922. 2+227 pp.

SAYRE, C. B.

(3) Articles:

Vegetables for exhibition. Trans. Ill. Hort. Soc. 56:302-5. (1800)

SCHLATTER, C. F.

(3) Articles:

Payment of dividends before restoring impaired capital. J. of Acct. 35:3:172-85. (5500)

SCHMIDT, E. C.

(3) Articles:

Report of the committee on front-ends, grates, and ashpans. Proc. of the Internat. Rail. Fuel Assoc. 14:142-150. (4000)

SCHULTZ, LOUIS

(3) Articles:

Dental focal infections and their treatment. J. of the Amer. Dent. Assoc. 9:12:1029-36. (4755)

SEELY, F. B.

(3) Articles:

with Slater, W. A.

Tests of heavily reinforced concrete slab beams: effect of direction of reinforcement on strength and deformation. Tech. Papers of Bur. of Stand. 17:233:297-344. (14000)

SENEAR, F. E.

(1) Book notices:

Radium therapy by F. E. Simpson. J. of Amer. Med. Assoc. 79:14: 1167. (600)

Ringworm and its treatment by J. P. Turner. *Ibid.* 79:7:577. (225)

(3) Articles:

with Fink, H. W.

Hydroa vacciniforme seu aestivale. Arch. of Derm. and Syph. 7:2: 145-62. (11000)

(4) Books:

with Pusey, W. A.

Yearbook of dermatology for 1922—Practical medicine series. Year Book Pub. Co., Chicago, 1922. 195 pp.

SEYBOLT, R. F.

(2) Original reviews:

The history of education by E. P. Cubberley. J. of Educ. Res. 4: 1:65-67.

Educational legislation and administration in the state of New York from 1777 to 1850 by E. G. Hobson. Miss. Vall. Hist. Rev. 8: 3:284.

The ruin of the ancient civilization and the triumph of Christianity by Guglielmo Ferrero. Educ. Rev. 64:3:269-70.

The history of western education by W. Boyd. *Ibid.* 64:4:361-63.

(3) Articles:

Some school masters of colonial New York. N. Y. State Local Hist. Source Leaf. Albany, N. Y., 1921. 17 pp.

SEYMOUR, A. R.

(2) Original reviews:

Les misérables par Victor Hugo ed. by Victor François. Mod. Lang. J. 7:6:375-77. (1000)

SHAW, J. B.

(3) Articles:

The spirit of research. Monist, 32:4:530-52. (20000)

SHAW, J. B.

(3) Articles (cont'd):

The way mathematicians work. Math. Teacher, 16:170-74. (3000)

(4) Books:

Vector calculus. Van Nostrand, N. Y., 1922. 4+314 pp.

SHELFORD, V. E.

(3) Articles:

Hydrogen ion in concentration. Ill. Nat. Hist. Surv. Bul. 14:9: 379-95. (9000)

with Sanders, Nell.

A pine-dune community. Ecol. 3:4:306-20. (6000)

with Gail, Floyd.

Light penetration into sea water. Puget Sound Biol. Sta. 14:9: 379-95. (9000)

SHEPARD, F. P.

(1) Book notices:

Gypsum deposits of the U. S. by R. W. Stone. Jour. of Geol. 30: 4:327-29. (500)

(3) Articles:

Problems in stratigraphy along the Rocky Mountain trench. *Ibid.* 30:5:361-76. (4500)

SHERMAN, S. P.

(1) Book notices:

The romantic movement. A review of Nature's simple plan by C. B. Tinker. Yale Rev. 12:2:403-7. (1200)

(2) Original reviews:

Autobiography of a Jewish immigrant. A review of Under four administrations by Straus. N. Y. Trib. 18:6. (3000)

Brander Matthews and the Mohawks. A review of Tocsin of revolt by Brander Matthews. N. Y. Times, 72:23654. (2500)

Literary salesmen. A review of Critical game by Macy. N. Y. Indepen. 110:3837:165-66. (1200)

The case of Dean Inge. A review of Outspoken essays by Dean Inge. Lit. Rev. 3:34. (1500)

(3) Articles:

The liberal arts course at Illinois. New Rep. 32:412. (1200)

The Disraelian irony (concluded). The Bookman, 55:4:381-385. (3000)

The point of view in American criticism. Atlan. 130:5:619-32. (6000)

American style. The Bookman, 56:3:257-64. (3500)

Mouvements contemporains et tradition littercure. Rev. Metaphysique et Morale, 29:4:507-29. (8000)

For the higher study of American literature. Yale Rev. 12:3. (2000)

(4) Books:

The significance of Sinclair Lewis. Harcourt, N. Y., 1922. 20 pp.

Americans. Scribner's, N. Y., 1922. vii-xiii+336 pp.

Poetical works of Joaquin Miller. Putnam, N. Y., 1923. 3-39+587 pp.

The genius of America. Scribner's, N. Y., 1923. v-vii+269 pp.

Smith, Frank

(3) Articles:

A new locality for Spongilla wagneri Potts. Trans. Amer. Micr. Soc. 41:106. (200)

Abnormal earthworm specimens, Helodrilus subrubicundus and H. tenuis. *Ibid.* 41:153-54. (700)

The European starling in Illinois. Trans. Ill. State Acad. Sci. 15: 185. (200)

Data on the distribution of Michigan fresh-water sponges. Papers of the Mich. Acad. Sci., Arts and Letters, 1921. (1200)

Smith, G. F.

(3) Articles:

with Willard, H. H.

The separation and determination of sodium and lithium by precipitation from alcoholic perchlorate solution. J. of Amer. Chem. Soc. 44:12:9. (4000)

Smith, L. H.

(1) Book notices:

Writings of Cyril G. Hopkins (a bibliographical list). Cyril G. Hopkins Memorial Volume, 87-94. (3000)

(3) Articles:

The earlier years of Doctor Hopkins' scientific career. *Ibid.* 19-23. (1600)

with Mosier, J. G., Stewart, H. W., DeTurk, E. E., and Snider, H. J.

DeKalb County soils. Soil Rept. 23. (30000)

with Mosier, F. W., Wascher, F. W., Leighty, W. R., and Snider, H. J.

Adams County soils. Soil Rept. 24. (36000)

Snider, H. J.

see Smith, L. H.

Snodgrass, J. M.

(3) Articles:

with Guldner, F. H.

An investigation of the properties of chilled iron car wheels. Part I. Wheel fit and static load strains and stresses. Part II. Wheel fit, static load, and flange pressure strains. Ultimate strength of flange. Part III. Strains due to brake application coefficient of friction and brake-shoe wear. Univ. of Ill. Eng. Exp. Sta. Bul. 129, 134, 135.

Snow, C. M.

(3) Articles:

with Fantus, Bernard.

Experiments on improving the keeping qualities of chalk mixtures. J. Amer. Pharm. Assoc. 11:10:795-96. (1000)

Aqueous and alcoholic elixirs versus aromatic elixir. *Ibid.* 12:2:143-46. (1600)

Staley, S. C.

(3) Articles:

The significance of calisthenics. Ath. J. 3:5-6. (4000)

Athletics and physical training in Germany. *Ibid.* 2:9. (2000)

(4) Books:

Calisthenics. Author, Urbana, 1922. 2+96 pp.

History, systems, and theories of physical training. Author, Urbana, 1923. 3+141 pp.

Stevens, F. L.

(3) Articles:

The Helminthosporium foot-rot of wheat, with observations on the morphology of Helminthosporium and on the occurrence of saltation in the genus. Div. of Nat. Hist. Surv. 14:5:77-139. (1922)

Notes on Hawaiian botany with special reference to fungi. Trans. Ill. Acad. Sci. 15:115-18.

Merulius lachrymane as the cause of rot of asphalt shingles. Phytop. 12:497-98.

with Dowell, R. I.

A meliola disease of cacoa. Phytopath. 13:247-50.

Stiritz, B. A.

(3) Articles:

Yeast and mold counts and their relation to pasteurization of cream for butter making purposes. J. of Dairy Sci. 5:4:362-71 (3000)

Stiven, F. B.

(4) Books:

In the organ lofts of Paris. Stratford Co., Boston, 1923. 4+75 pp.

Stoek, H. H.

see Hoskin. A. J

Streitz, Ruth

(3) Articles:

Gifted children and provisions for them in our schools. Univ. of Ill. Bur. of Educ. Res. Circ. 20:14:3-12. (3240)

Provisions for exceptional children in 191 Illinois cities. *Ibid.* 20: 19:3-13. (3630)

Sutherland, E. H.

(1) Book notices:

A history of labour by Gilbert Stone. Amer. J. of Sociol. 28:4:498. (225)

(3) Articles:

The isolated family. Institution Quart. 13:3-4:189-92. (2000)

Swain, J. W.

(4) Books:

with Pease, T. C., Jones, P. V. B., and Randall, J. G.

Materials for historical research by the University of Illinois. Univ. of Ill. Press, Urbana, Ill., 1922. 56 pp.

TALBOT, A. N.

(3) Articles:

Progress report of joint committee on stresses in railroad track. Proc. Amer. Soc. Civ. Engrs. 49:293-450. Bul. Amer. Ry. Eng'g. Assoc. 24:253:295-456. Circ. Amer. Ry. Assoc. 4:32.

Research activities of the American Society of Civil Engineers. Proc. Amer. Soc. Civ. Engrs. 49:512-17.

Graduate work in engineering. Proc. Soc. for Promo. of Eng. Educ. 30:147-52.

TANNER, F. W.

(3) Articles:

Microbiology of flax retting. Botan. Gaz. 74:2:174-85. (3790)

with Dack, G. M.

Clostridium botulinum. J. of Infect. Dis. 31:2:92-100. (1770)

Clostridium botulinum. II. Presence in the human alimentary tract. J. Amer. Med. Assoc. 79:132-33. (900)

with Morrison, L. E.

Studies of thermophilic bacteria. I. Aerobic thermophilic bacteria from water. J. of Bact. 7:3:342-66. (3760)

with Davis, Esther.

Some observations on the sanitary conditions of confections. Amer. J. of Pub. Health. 5:11:1148-63. (1170)

with Hudson, J. R.

A note on the Weinzirl anaerobic spore test for determining manurial pollution of milk. J. of Dairy. Sci. 5:4:377-82. (700)

THOMAS, H. B.

(3) Articles:

The treatment of ununited fractures of long bones. J. of Amer. Med. Assoc. 80:5:309-15

THOMAS, N. G.

(3) Articles:

Dentistry in self defense. Dental Cosmos, 64:769-74. (4500)

THOMPSON, LUTHER

(3) Articles:

Changes in nutrient agar due to clarifying with egg. J. of Lab. and Clin. Med. 7:12:758-60. (700)

TODD, ELIZABETH

(3) Articles:

with Bowman, L. F.

Score cards as devices in teaching construction. J. of Home Econ. 14:7:322-27. (1300)

TRACY, P. H.

(3) Articles:

A comparison of the cost of a pound of solids in different milk products. Creamery and Milk Plant Mo. 12:4:69-72. (1500)

with Peterson, R. W.

The condensation process of preparing an ice cream mix. J. of Dairy Sci. 5:3:273-81. (2500)

Trelease, William

(3) Articles:

Quercus (in Standley, Trees and shrubs of Mexico). Contrib U. S. Nat. Herb. 23:2:171-98.

Turner, B. M.

(3) Articles:

Plane cubics with a given quadrangle of inflexions. Amer. J. of Math. 44:4:261-78. (6500)

Tykociner, J. T.

(3) Articles:

Talking motion pictures. New York World, July 30, 1922. (1800)

The actophone. Technograph, Nov., 1922. (1200)

with Kunz, Jakob.

Photo-electric cells with hot filmaments. Phys. Rev. 21:210.

Uhlendorf, B. A.

(3) Articles:

Prognosis tests for students of foreign languages. Univ. of Ill. Bul. 20:29:309-12. (3200)

(4) Books:

Charles Sealsfield; ethnic elements and national problems in his works. Germ.-Amer. Hist. Soc. Chicago, 1922. viii+242 pp.

Uyei, N.

see Hamilton, T. S.

Van Cleave, H. J.

(3) Articles:

A new genus of trematodes from the white-bass. Proc. U. S. Natl. Mus. 61:1-8. (2800)

Notes on Acanthocephala from Japan. Anat. Rec. 24:6:371. (150)

(4) Books:

Laboratory directions for an elementary course in general zoology. 4th ed. Univ. of Ill. Supply Store, Champaign, 1922. 92 pp.

Van Horne, John

(1) Book notices:

Dante in Sapgna-Francia-Inghilterra-Germania (Dante e Goethe by Arturo Farinelli). J. of Engl. and Germ. Philol. 21:2:357-61. (1750)

Trozos modernos, Cuentos y leyendas, Lecturas elementales. Hispania, 6:2:124-28. (2200)

(3) Articles:

with Morgan, B. Q.

Bibliography of modern language methodology in America for 1921. Mod. Lang. J. 7:4:231-41. (2500)

(4) Books:

Short stories by Antonio de Trueba. Editor. Benj. H. Sanborn and Co., Chicago, 1922. xxxviii+229 pp.

Il risorgimento. Editor. Univ. of Chi. Press, Chicago, 1922. viii+168 pp.

WAHLIN, G. E.

(1) Book notices:

Three lectures on Fermat's last theorem by L. J. Mordell. Bul. Amer. Math. Soc. 28:6:318. (250)

Lezioni sulla theoria dei numeri algebrici e principi d'arithmetics analitics by L. Bianchi. *Ibid.* 28:9:466. (400)

Einfuhrung in die elementare und analytische theorie der algebraischen zahlen by E. Landau. *Ibid.* 28:9:466-467. (350)

(4) Books:

with Dickson, Mitchell, and Vandivier.

Report on the theory of algebraic numbers. Bul. Nat. Res. Council 5:28. 1+96 pp.

WARD, H. B.

(1) Book notices:

Protists and disease by J. Jackson Clarke. J. Paras. 9:3:181. (360)

(2) Original reviews:

Animal parasites and human disease by Asa C. Chandler. *Ibid.* 9: 2:106-7. (1000)

Precis de parasitologie by E. Brumpt. 3d ed. J. Amer. Med. Assoc 80:1639. (560)

(3) Articles:

Ansel Augustus Tyler. Sci. 56:37. (520)

WATKINS, G. S.

(4) Books:

Introduction to the study of labor problems. Thomas Y. Crowell Co. N. Y., 1922. 2+648 pp.

WATSON, E. S.

(3) Articles:

Sam Bass, outlaw, hero of a cowboy song. Indianapolis News, 54 9:11. (2000)

"Navajo Bill" Wallace, the friend of the Indian. Indianapolis Star 20:84:9. (2500)

Gen. E. R. S. Canby, the martyr of the Modoc war. *Ibid.* 20:119 15. (3000)

Tales of the old frontier. Syndicated nationally to newspapers by the Western Newspaper Union. 48 articles, 500 words each.

(4) Books:

The story of auxiliary printing. Western Newspaper Union, Chicago 1923. 1+50 pp.

WEINARD, F. F.

(3) Articles:

Experiments at Urbana—Work of the present and the future. Florists' Rev. 51:1320:61-62, 152. (1800)

WESTERGAARD, H. M.

(3) Articles:

Discussion, Buckling of elastic structures. Proc. Amer. Soc. of Civ Engrs. 48:5:1265-68. (2000)

WESTERGAARD, H. M.

(3) Articles (cont'd):

Buckling of elastic structures. Trans. Amer. Soc. of Civ. Engrs. 85: 673-76. (45000)

with Slater, W. A.

Moments and stresses in slabs. Nat. Res. Coun. Reprint and Circ. Ser. 32:124 pp. (60000)

WILEY, C. C.

(3) Articles:

Hints on the haulage of lean mixtures of concrete. Mun. and County Eng'g. 63:6:245-46. (600)

WILLARD, A. C.

(3) Articles:

Significance of air temperature at registers in rating warm air furnaces. Amer. Art. and Hardware Rec. 84:27:66-68. (2000) Sheet Metal Worker, 13:25:835-36. (2000)

with Kratz, A. P., and Day, V. S.

Effect of recirculating duct design on furnace capacity. Amer. Art. and Hardware Rec. 85:2:14-15. (2200) Sheet Metal Worker, 13:26:891-92. (2200)

WILLIAMS, C. A.

(1) Book notices:

Ptolemy's maps of northern Europe by G. Schütte. J. of Engl. and Germ. Philol. 22:547 sq. (650)

Eine westfälische psalmenübersetzung by E. Rooth. *Ibid.* 22:551 sq. (450)

WILLIAMS, C. C.

(2) Original reviews:

Locomotive loadings for railway bridges by D. B. Steinman. Proc. Amer. Soc. C. E. 48:9:1798-1800. (1000)

(3) Articles:

Kansas athletic stadium. Eng. News-Rec. 89:19:790-93. (3500)

Operating costs as a factor in the choice of a pavement. Eng. and Contract. 59:1:9-11. (2000)

Province of highways in the national transportation plan. Mun. and County Eng'g. 64:3:124-30. (4000)

(4) Books:

Design of masonry structures and foundations. McGraw-Hill Bk. Co., N. Y., 1922. 2+555 pp.

WILLIAMSON, C. S.

(3) Articles:

Pernicious anemia. Presentation of 5 cases of pernicious anemia representing various types and stages of the disease. Diagnostic hints. Med. Clinics of North Amer. 5:6:1523-44. (10000)

Wilson, W. M.

(3) Articles:

The grading of earth roads. Univ. of Ill. Eng. Exp. Sta. Circ. 10: 11-27. (6000)

Wirth, E. H.

(3) Articles:

Pharmacognosy today and tomorrow. J. A. Ph. A. 12:3:196-97.

Woodworth, C. M.

(3) Articles:

Inheritance of cotyledon, seed-coat, hilium, and pubescence colors in soy beans. Genetics, 6:6:487-553. (16000)

The extent of natural cross-pollination in soy beans. J. of the Amer. Soc. of Agron. 14:7:278-83. (2300)

Calculation of linkage intensities where duplicate factors are concerned. Genetics, 8:2:106-15. (3000)

Woolbert, C. H.

2) Original reviews:

Forms of oratorical composition and their delivery by J. N. Ruffin and The psychology of persuasion by McPherson. Quart. J. of Speech Educ. 8:3:305-8. (1100)

(3) Articles:

Speaking and writing: a study of differences. *Ibid.* 8:3:271-85. (5000)

The teaching of speech as an academic discipline. *Ibid.* 9:1:1-18. (6000)

Seven editorials. *Ibid.* 8:3. (700) 8:4. (1300) 9:1. (400) 9:2. (2000)

Wright, Ivan

(3) Articles:

American banking system and agricultural credits. Bankers' Mag. 105:1:21-22. (1500)

How the farmers are financed. Farm Mech. Jan., 1923:27-31. (2600)

The federal farm loan system. *Ibid.* Feb., 1923:108-12. (2500)

The joint stock land banks. *Ibid.* Apr., 1923:42-46. (2500)

More and better credit facilities for farmers. Prairie Farmer, 95: 19:5, 25. (2000)

Land problems of the Mississippi valley. Miss. Vall. Mag. Apr., 1922: 15-16. (2000)

Cooperative organizations as business enterprises. Ill. Agric. 27:8: 221-22, 234. (2500)

Economic reclamation of Illinois. *Ibid.* 26:10:251-52. (1500)

(4) Books:

Bank credit and agriculture. McGraw-Hill Bk. Co., N. Y., 1922. 6+340 pp.

Farm mortgage financing. McGraw-Hill Bk. Co., N. Y., 1923. 6+ 343 pp.

Organization and operation of federal farm loan system. Univ. of Ill. Press, Urbana, 1922. 20 pp.

Wylie, C. C.

(3) Articles:

The Cepheid variable Aquilae. Astrophysical J. 56:217-31. (4500)

The eclipsing binary Aquilae. *Ibid.* 56:4:232-46. (2800)

Eclipsing variables showing two spectra. (Astracts) Pub. of Amer. Astron. Soc. 4:394-95. (100)

Young, H. F.

see Fraser, Thomas.

Young, P. T.

(1) Book notices:

Brief reviews of every article appearing in Psychological Review. Psychol. Bul. 20:3:111 ff., 117, 125 ff., 128, 143 ff.

(3) Articles:

Series of different tones obtained from tunable bars. Amer. J. of Psychol. 33:3:385-94.

Movements of pursuit and avoidance as expressions of simple feeling. *Ibid.* 33:4:511-26.

Zeitlin, Jacob

(1) Book notices:

Philology at its best. A review of Language by Jesperson Nat. 115: 2975:47-48. (1200)

Life of Hazlitt by P. P. Howe. Litt. Rev. of N. Y. Eve. Post. 3: 17:348. (2000)

(2) Original reviews:

The case of Mr. Lewissohn. A review of Up Stream. Memorah J. 8:3:187-91. (3000)

Zeleny, Charles

(3) Articles:

The effect of selection for eye facet number in the white bar-eye race of Drosophila melanogaster. Genetics, 7:1:1-115.

Reverse mutation. Vol. I. Genetics, Eugenics and the family. Proc. Second Internat. Cong. Eugenics, 1:113-14.

The temperature coefficient of a heterozygote with an expression for the value of a germinal difference in terms of an environmental one. Biol. Bul. 44:3:105-12.

Zeuch, W. E.

(3) Articles:

with Commons, J. R., and McCracken, H. L.

Secular trend and business cycles. Harvard Rev. of Econ. Statis. 4:14:35. (20000)

UNIVERSITY OF ILLINOIS
LIBRARY-CHEMISTRY

BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION OF THE UNIVERSITY OF ILLINOIS

May 1, 1923—April 30, 1924

The publications of the faculty of the University of Illinois during the past year ended April 30, 1924, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

Adams, L. A.

(3) Articles:

The shifting of the mammalian faunas, as shown by the Pleistocene remains of Illinois. Ill. Acad. of Sci. Trans. 16:140-44. (1500)

Adams, Roger

(2) Original reviews:

Organic chemistry or chemistry of the carbon compounds by V. v. Richter. J. A. C. S. 45:7:1.

(3) Articles:

with Johnson, J. R.

Arsenated derivatives of phenyldiketo-pyrrolidine. *Ibid.* 45:5:1307-315.

witht Kaufmann, R. J.

Production of imido thiol esters by the condensation of thiocyanates with resorcinol or phloroglucinol. *Ibid.* 45:7:1744-752.

with Mill, L. E.

Mercurated 1-methyl-l, 2-dihydro-benzofurans. *Ibid.* 45:7:1842-854.

with Shriner, R. L.

Platinum oxide as a catalyst in the reduction of organic compounds. III. Preparation and properties of the oxide of platinum obtained by the fusion of the chloro-platinic acid with sodium nitrate. *Ibid.* 45:9:2171-2179.

with Levine, I.

Simplification of the Gattermann synthesis of hydrox-aldehydes. *Ibid.* 45:10:2373-377.

with Sloan, A. W., and Taylor, B. S.

Aryl 1, 3-benzo-diozanes (aryl methylene-saligenins). *Ibid.* 45:10: 2417-420.

with Graves, G. D.

Trihydroxy-methyl-anthraquinones. I. *Ibid.* 45:10:2439-455.

with Gardner, J. H.

Trihydroxy-methyl-anthraquinones. II. *Ibid.* 45:10:2455-462.

with Tomecko, C. G.

The allyl ethers of various carbohydrates. *Ibid.* 45:11:2698-2701.

with McElvain, S. M.

Synthesis of a new bicyclic nitrogen ring. Isogranatanine derivatives. Preparation of an isomer of homo-cocaine. *Ibid.* 45:11:2738-750.

with Kaufmann, W. E.

Adams, Roger

(3) Articles (cont'd):

The use of platinum oxide as a catalyst in the reduction of organic compounds. IV. Reduction of furfural and its derivatives. *Ibid.* 45:12:3029-3044.

with Rodewald, C. W.

Arsono-arylamino-alcohols. *Ibid.* 45:12:3102-3105.

Anderson, A. G.

(3) Articles:

Engineer's need—business initiative. Iowa Eng. 24:5. (2000)

Applegate, Gladys

see Beal, G. D.

Ashton, B. L.

(3) Articles:

Geography in the interpretation of history. Hist. Out. 15:3:111-14. (4000)

Some contrasts in the geography of the Virginia Piedmont and the Illinois plain. School, Sci. and Math. 24:3:273-76. (1700)

Austin, M. M.

(3) Articles:

Granular carbon resistor furnaces. J. Ind. and Eng. Chem. 16:2:156-57. (2000)

A mechanical model for metals. Chem. Bul. 11:1:12. (1000)

Baber, R. E.

(3) Articles:

with Ross, E. A.

Slow suicide among our native stock. Cent. Mag. 107:4:504-509. (2300)

Baily, H. H.

(3) Articles:

A survey of the high school bookkeeping course. U. of Ill. Bul. Pro. of the H. S. Conf. 1924:151-60. (4200)

Baker, F. C.

(1) Book notices:

The mollusca of Dickinson County by H. Barrington Baker. Ecol. 4:318. (100)

On the effect of salinity on Teredo navalis by H. F. Blum. *Ibid.* 4:318. (50)

The Champlain sea by Winnifred Golding. *Ibid.* 4:319. (75)

The mollusca of Oundle by Rev. C. E. Y. Kendall. *Ibid.* 4:319. (50)

Variations in the shell of Teredo navalis by Robert C. Miller. *Ibid.* 4:319. (85)

The Kentucky River and its mussel resources. *Ibid.* 4:430. (30)

Baker, F. C.

(3) Articles:

Pleistocene mollusca from the vicinity of Joliet, Illinois. Trans. Ill. State Acad. Sci. 15:408-20. (4700)

The educational value of a university natural history museum. Sci. 58:55-57. (2100)

Some problems of a university curator. Mus. Work, 5:92-94. (100)

Baker, R. H.

(1) Book notices:

Publications of the astronomical observatory of the University of Michigan. vol. 3. Sci. 58:467-68. (600)

(3) Articles:

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Necessity for caution in the employment of high voltage roentgen-rays as a therapeutic agent against malignant disease; acute adrenal insufficiency and death as sequels. Surg., Gynec. and Obst. Jan., 1924. (2250)

Certain considerations of thyroid disease from the standpoint of etiology, diagnosis and clinical management. Ann. of Clin. Med. 1:6.

Observation upon the nature, diagnosis and clinical management of gastric ulcer with suggestions for a rational regimen of treatment. Amer. J. of the Med. Sci. 166:6:781.

Certain factors to be considered in prognosing cure of peptic ulcer. Mich. State Med. Soc. J. Apr., 1924.

Certain factors to be considered in prognosing cure of peptic ulcer. Ann. of Clin. Med. 11:4.

SNIDER, H. J.

(3) Articles:

Legumes as a source of nitrate for farm crops. Ill. Acad. of Sci. Trans. 16:239-45. (2000)

Snow, C. N.

(1) Book notices:

The British pharmaceutical codex. The pharmaceutical society of Great Britain. Amer. Pharm. Assoc. J. 12:11:1043. (450)

Souders, L. B.

see Monroe, W. S.

Sparks, K. E.

see Beal, G. D.

Stansfield, John

(3) Articles:

Extensions of the Monteregian petrographical province to the west and northwest. Geol. M. 60:712:433-53. (8500)

Nomenclature and relations of the lamprophyres. *Ibid.* 60:714:550-54. (1600)

Stevens, F. L.

(3) Articles:

The Helminthosporium foot-rot of wheat, with observations on the morphology of Helminthosporium and on the occurrence of saltation in the genus. Div. of Nat. Hist. Surv. 14:5:77-139. (8457) (28 plates, 25 graphs, 23 figs.)

Notes on Hawaiian botany with especial reference to fungi. Ill. Acad. of Sci. Trans. 15:115-18. (1012)

A fungus destructive to asphalt shingles. Phytop. 12:497-98. (125) (1 plate)

with Dowell, R. I.

A meliola disease of cacoa. Phytopath. 13:247-50. (561) (3 figs.)

with Weedon, A. G.

Three new Myriangiaceous fungi from South America. Mycol. 15:197. (4000) (3 plates, 12 figs.)

Stiven, F. B.

(3) Articles:

The last days of Guilmant. Etude. 41:6:418.

Systematized instruction in organ playing. *Ibid.* 41:5:344-45.

The contribution of a university school of music to the state and university. Musical Q. 9:3:395-400. (3000)

Story, R. M.

(2) Original reviews:

The Russian soviet republic by Edward Alsworth Ross. Amer. Pol. Sci. Rev. 18:1:195-96. (750)

(3) Articles:

Municipal legislation in Illinois. Nat'l. Mun. Rev. 12:10:629-30. (675)

Editor of Illinois Municipal Review, 1:1-6 and 2:1-3.

Straus, Sidney.

(3) Articles:

Heart disease as a public health problem. Ill. State Acad. of Sci. Trans. 16:412-20. (3000)

with Friedman, J. C.

Observations on changes in size and shape of hearts during the process of compensation. Arch. of Internal Med. 32:4:601-17. (5000)

Streicher, M. H.
see Emmel, V. E.

Streitz, Ruth
(3) Articles:
Provisions for exceptional children in 191 cities of Illinois. Bur. of Educ. Res. 20:40:1-13. (6240)
Teachers' difficulties in arithmetic and their correctives. *Ibid.* 21:34: 7-34. (11130)
Educational diagnosis. *Ibid.* 21:41:3-16. (5772)

Stuchlik, Vivian
see Gathercoal, E. N.

Sutherland, E. H.
(1) Book notices:
The burden of unemployment by Philip Klein. Amer. J. of Sociol. 29:2:240. (200)
Penologia: las penas y las medias de seguridad by Eugenio Cuello. *Ibid.* 29:2:243-44. (500)
(3) Articles:
Report on the work of the national council for social studies. Proc. of the H. S. Conf. 1923, Univ. of Ill. Bul. 21:25:384-86. (2000)
The isolated family. Rel. Educ. 19:1:32-35. (2500)

Sullivan, A. H.
(3) Articles:
The perceptions of liquidity, semi-liquidity and solidity. Amer. J. of Psychol. 34:531-41. (4000)

Swain, J. W.
(2) Original reviews:
The trend of history by Wallace. J. of Philos. 20:22:611-13. (500)
Psychology and politics and Conflict and dream by Rivers. *Ibid.* 20: 25:692-95. (1500)
(3) Articles:
What is history? *Ibid.* 20:11:281-89, 12:312-27, 13:337-49. (18000)

Talbot, A. N.
(3) Articles:
Third progress report of the joint committee on stresses in railroad track. Amer. Soc. C. E. Trans. 86:162. (75000)
The research activities of the American Society of civil engineers. Amer. Soc. C. E. Trans. 86:6. (3000)
with Richart, F. E.
The strength of concrete; its relation to the cement, aggregates and water. Univ. of Ill. Eng. Exp. Sta. Bul. 137:1-116. (55000)

Tanner, F. W.
(3) Articles:
Canning and the laws of sterilization. Canning Age, (3000)

Tanner, F. W.

(3) Articles (cont'd):

with Ryder, Earl.

Action of ultraviolet light on yeast-like fungi. Bot. Gaz. 75:3:309-17. (4000)

with McCrea, F. D.

Clostridium botulinum. IV. Resistance of spores to moist heat. J. of Bact. 8:3:269-76. (3000)

with Morrison, L. E.

Studies on thermophilic bacteria. Bot. Gaz. 77:171-85. (10000)

with Dack, G. M.

A study of yeasts from sore throats. Cent. Bakt., Pt. I. Orig. 91:5: 282-99. (18000)

Taylor, B. S.

see Adams, Roger.

Taylor, S. H.

(3) Articles:

Oral work in high school algebra. Math. Teacher. 17:1:35-45. (4500)

Tehon, L. R.

see Young, P. A.

Thomas, H. B.

(3) Articles:

Fusion in scoliosis. J. A. M. A. 81:1575-578. (4500)

Thomas, L. J.

(3) Articles:

Studies in the life history of Trichocomoides crassicauda (Bell.) J. of Parasit. 10:3:105-36. (12000)

Tice, F.

see O'Connor, V. J.

Tolman, R. G.

(1) Book notices:

Increasing human efficiency in business by Walter Dill Scott. (500)

Tomecko, C. G.

see Adams, Roger.

Tracy, P. H.

(3) Articles:

The non-milk products in relation to quality of ice cream. Creamery and Milk Plant Mo. 13:2:77-82. (3500)

with Overman, O. R.

The determination of fat in buttermilk. J. of Dairy Sci. 6:5:393-405. (4500)

A modification of the Babcock test for the determination of fat in buttermilk. Univ. of Ill. Agr. Exp. Sta. Bul. 248:64-70. (3500)

Trelease, William.

(3) Articles:

George Lincoln Goodale. Sci. n. s. 57:1484:654-56.

The pollination of plants. Amer. Bee J. 64:5:224-25.

TULCHIN, S. H.

see Levy, D. M.

TYKOCINER, J. T.

(3) Articles:

Photographic recording and reproduction of sound. Soc. of Motion Picture Eng. Trans. 16:90-119. (17000)

with Kunz, Jakob.

A new photoelectric cell. Phys. Rev. 23:298. (200)

A new photoelectric cell. Sci. 59:320-21. (1300)

UHLENDORF, B. A.

(2) Original reviews:

British criticisms of American writings, 1815-1833 by W. B. Cairns. J. of Engl. and Germ. Philol. 23:1:130-32. (950)

VANCLEAVE, H. J.

(3) Articles:

Telosentis, a new genus of Acanthocephala from Southern Europe. J. of Parasit. 9:3:174-75. (500)

Acanthocephala from the fishes of Oneida Lake, New York. Roosevelt Wild Life Bul. 2:1:73-84. (4000)

Acanthocephala from North American mammalia. Anatom. Rec. 26:5:355. (90)

A key to the genera of Acanthocephala. Amer. Micros. Soc. Trans. 42:4:184-91. (3000)

Some of the factors influencing distribution of animal parasites. Ill. Sta. Acad. of Sci. Trans. 16:136-39. (1600)

(4) Books:

Invertebrate zoology. McGraw-Hill Bk. Co., N. Y. 1924. xvi + 259 pp.

VANHORNE, JOHN

(1) Book notices:

Trozos de castellano by Castillo and Watson. Hispania. 6:3:196-97. (775)

Platero y yo by Jiménez; ed. by Walsh. *Ibid.* 6:3:197-98. (900)

(3) Articles:

Reading in French and Spanish, 1918-1923. Mod. Lang. J. 8:4,5,6, 7:215-20; 261-66; 363-68. (8500)

with Morgan, B. Q.

Bibliography of modern language methodology in America for 1922. *Ibid.* 7:8:461-77. (4500)

VILLEGAS, VALENTE

see Mitchell, H. H.

WADEPUHL, WALTER

(3) Articles:

A standardized vocabulary for elementary German. Mod. Lang. J. 8:1:23-30. (3800)

The need of standardization texts for German and French. Proc. of the H. S. Conf. Univ. of Ill. Bul. 21:25:303-308. (3000)

WADEPHUL, WALTER

(3) Articles (cont'd):

Reading in first and second year college German. Monatshefte für deutsche sprache and pädagogik. Jahrbuch. 1923. p. 20-25. (2000)

Gœthe and America. Jahrbuch der deutsch-amerikanischen historischen gesellschaft von Illinois, 23. (10000)

Standardized vocabulary for elementary German (Word-list). Priv. print. 1-5. (1500)

WANLESS, H. R.

(3) Articles:

The stratigraphy of the White River beds of South Dakota. Amer. Philos. Soc. Proc. 62:4:190-269. (26000)

WARD, H. B.

(1) Book notices:

Précis de parasitologie by E. Brumpt. Amer. Med. Assoc. J. 80:22:1639. (565)

Nouveau traite de medecine. Fasc. V. Maladies infectious et parasitaires (Fin.) Masson et Cie, editeurs. J. Parasit. 10:1:57-58. (490)

Paleopathology by Roy L. Moodie. *Ibid.* 10:1:58. (175)

Outlines of medical zoology by Hegner, Cort and Root. *Ibid.* 10:2:104. (125)

The journal of helminthology, ed. by R. T. Leiper. *Ibid.* 10:2:104. (100)

Members et ceintures des vertebres tetrapods by L. Vialleton. Amer. Med. Assoc. J. 82:3:233. (190)

Lehrbuch der medizinischen entomologie by E. Martini. J. Parasit. 10:3:168. (612)

Die wichtigsten parasitischen protozoen des menschen und der tiere by B. W. Nöller. *Ibid.* 10:3:169. (500)

(2) Original reviews:

Précis de parasitologie by E. Brumpt. *Ibid.* 10:1:56-57. (1150)

(3) Articles:

The founder of American parasitology, Joseph Leidy. J. Parasit. 10:1: 1-21. (10500)

Present lines of attack on animal parasitology. Sci. n. s. 59:1527:305-10. (4670)

WARDALL, R. A.

(4) Books:

with Taber.

Economics of the family. J. B. Lippincott and Co. Phila. 1923. 12 + 224 pp.

WATKINS, G. S.

(3) Articles:

Human engineering in industry. Onward, March 14, 1924. (3000)

(4) Books:

with Hunter, M. H.

The background of economics. McGraw-Hill Book Co. N. Y. viii + 514 pp.

WATSON, F. R.

(3) Articles:

Accoustics of the Great Hall of the Wesley Foundation. West. Arch. 32:56-57. (1400) Reprinted in Building New`, 59:1423-24.

Accoustic considerations of the motion picture theater. Exhibitor's Herald, Better Theaters Section. 17:7-8. (2000)

Vibrations in buildings. Technograph. 36:119-20. (1600)

Accoustics of church auditoriums. Arch. Forum. 40:167-70. (2500)

(4) Books:

Accoustics of buildings. J. Wiley and Sons, N. Y. 1923. viii + 155 pp.

WEATHERFORD, H. L.

see Emmel, V. E.

WEEDON, A. G.

see Stevens, F. L.

WEIRICK, BRUCE

(4) Books:

From Whitman to Sandburg in American poetry, a critical survey. Macmillan, N. Y. 1924. v-xii + 245 pp.

Illini poetry, 1918-1923. Covici-McGee, Chicago, 1923. v-xi+103 pp.

WESTERGAARD, H. M.

(3) Articles:

Om beregning af plader pas elastisk underlag med særligt henblik pas spφrggsmaalet om spændinger i betonveje. Ingeniφren. 32:42:513-24. (8000)

Discussion on accelerometer for measuring impact. Amer. Soc. for Test. Mat. Proc. 23:636:39. (1000)

WILLARD, A. C.

(3) Articles:

Warm air furnace heating. (General principles of design.) Amer. Soc. of Heat. and Vent. Eng. Guide, 1923. 2:79-90. (5000)

Principal purposes of educational research residence. Amer. Artisan and Hardware Rec. 86:26:67-68. (1600)

with Kratz, A. P. and Day, V. S.

Investigation of warm air furnaces and heating systems. Part II. Univ. of Ill. Eng. Exp. Sta. Bul. 141. 21:37:1-152.

WILLIAMS, C. C.

(2) Original reviews:

Consolidation of railroads by J. S. Worley. Amer. Soc. C. E. Proc. 49:1798-1805. (3500)

(4) Books:

Design of railway location. (Revision.) John Wiley and Sons, N. Y. 1924. 3 + 516 pp.

WILLIAMS, E. H.

(3) Articles:

with Kunz, Jakob.

The photo-electric effect of cæsium vapor. Phys. Rev. 22:5:456-60. (2000)

WILLIAMS, L. W.

(3) Articles:

The training of chemistry teachers. School, Sci. and Math. 24.1:51-57. (2400)

WILLIAMSON, C. S.

(3) Articles:

Acute lymphatic leukemia (small-celled type). Med. Clinics of Amer. 7:2:369-77. (2500)

Purpura hæmorrhagica. *Ibid.* 7:2:379-86. (2500)

Hodgkin's disease (abdominal type). *Ibid.* 7:2:387-96. (2700)

WILSON, W. M.

(3) Articles:

Tests of oiled earth roads. The Highway Engin. and Contractor. 8:5: 39-45. (5000)

(4) Books:

Stresses in framed structures ed. by Hool and Kinne. W. M. Wilson one of six associate editors. McGraw-Hill Book Co. 1923. 198 pp written by Wilson.

WIRTH, E. H.

(3) Articles:

with Gathercoal, E. N.

Report of the Scoville organoleptic method for the value of capsicum. J. A. Ph. A. 13:3:217-19. (800)

WOLKOFF, M. I.

(3) Articles:

Relative availability of the phosphorus of raw rock and acid phosphate in soils. Soil Sci. 17:39-56.

Some aspects of phosphorus behavior in soils. Ill. Acad. of Sci. Trans. 16:308-22.

WOODWORTH, C. M.

(3) Articles:

Inheritance of growth habit, pod color and flower color in soybeans. Amer. Soc. of Agron. 15:12:481-95. (6061)

WOOLBERT, C. H.

(3) Articles:

Rapid silent reading and speech. Presidential address, Illinois Association of Teachers of English, Nov. 23, 1923. Proc. of the H. S. Conf. Univ. of Ill. Bul. 21:25:168-73. (1500)

Editorials. Q. J. of Speech Educ. 9:3:283-85. (700) 9:4:371-75. (1500)

WRIGHT, IVAN

(3) Articles:

Banking facilities for farmers. Prairie Farmer. May, 1923. (2000)

Using your local banker. *Ibid.* July, 1923. (1500)

Agrarian theory of business cycles. Ill. Agric. Feb., 1924. (1500)

More and better credit facilities for farmers. Prairie Farmer. Aug., 1923. (2000)

(4) Books:

Mortgage financing. McGraw-Hill, N. Y. 1923. 6 + 343 pp.

Wylie, C. C.

(3) Articles:

Day and night on the moon, text book confusion. Pop. Astron. 31:7: 449-50. (475)

Occultations of Venus and Aldebaran. Astron. J. 35:13:102-103. (400)

Yerger, C. F.

(3) Articles:

Traumatic abscess of the nasal septum in children, with a report of five cases. Ill. Med. J. 45:4:278-82. (4000)

Otitic abscess of the cerebellum. J. A. M. A. 80:244-45. (2000)

Young, P. A.

(3) Articles:

with Plunkett, O. A. and Ryan, R. W.

A systematic presentation of a new genera of fungi. Amer. Micr. Soc. Trans. 42:1:43-67.

with Guba, E. F.

Check list of important references dealing with the taxonomy of fungi. *Ibid.* 43:1:17-67.

with Tehon, L. R.

Notes on the climatic conditions influencing the 1923 epidemic of stem rust of wheat in Illinois. Phytopathology. 14:2:94-100.

A new hysterium from Illinois. Mycologia. 16:1:30-32.

Red plum curl (caused by Exoascus mirabilis Atk.). Phytopathology. 14:2:126.

Young, P. T.

(3) Articles:

Constancy of affective judgment to odors. J. of Exp. Psych. 6:3:182-92.

A differential color mixer with stationary disks. *Ibid.* 6:5:323-44.

UNIVERSITY OF ILLINOIS
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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION OF THE UNIVERSITY OF ILLINOIS

May 1, 1924—April 30, 1925

The publications of the faculty of the University of Illinois during the past year ended April 30, 1925, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

Abbott, Howard C.

(3) Articles:

An easy method of mounting superficial fungi for study. Phytopathology. 15:4:345-46. (300)

Adams, Roger

(2) Original reviews:

Arbeitsmethoden für organisch-chemisch laboratorien by Prof. Dr. Lassar-Cohn. J.A.C.S. 47:3:1.

(3) Articles:

with Jacobson, R. A.

Trihydroxy-methylanthraquinones. III. Synthesis of emodin. J.A.C.S. 46:5:1312-16. (2500)

with Montgomery, Edna

Simplification of the Gatterman synthesis of aromatic aldehydes. II. *Ibid.* 46:6:1518-21. (1500)

with Shriner, R. L.

The preparation of palladous oxide and its use as a catalyst in the reduction of organic compounds. VI. *Ibid.* 46:7:1683-93. (3500)

with Bauer, W. W.

Diarsono-diphenyl and derivatives. *Ibid.* 46:8:1925-31. (4000)

with Noller, C. R.

The use of aliphatic acid anhydrides in the preparation of ketones by the Friedel and Craft's reaction. *Ibid.* 46:8:1889-96. (2200)

Optically active dyes. II. Adsorption, absorption spectra, and rotation. *Ibid.* 46:9:2032-43. (4000)

with Jacobson, R. A.

Polyhydroxy-methylanthraquinones. IV. Condensation of opianic acid with substituted phenols. Orientation in the preparation of anthraquinones. *Ibid.* 46:12:2788-93. (2500)

with Koten, I. A.

Certain reactions of the alkyl and aryl mercuric hydroxides. *Ibid.* 46:12:2764-69. (2600)

with Rassweiler, C. F.

The structure of dehydro-acetic acid. *Ibid.* 46:12:2758-64. (3000)

with Jacobson, R. A.

Trihydroxy-methylanthraquinones. V. Synthesis of morindone. *Ibid.* 47:1:283-99. (3200)

Adams, Roger

(3) Articles (cont'd):

with Ogden, Katherine

Arsonophenyl-cinchoninic acid and derivatives. *Ibid.* 47:3:826:30. (2000)

with Carothers, W. H.

Platinum oxide as a catalyst in the reduction of organic compounds. VII. A study of the effects of numerous substances on the platinum catalysis of the reduction of benzaldehyde. *Ibid.* 47:4:1047-63. (7500)

with Pierce, J. S.

Platinum oxide as a catalyst in the reduction of organic compounds. VIII. The reduction of alkyl furyl carbinols. *Ibid.* 47:4:1098-1104. (2600)

with Kern, J. W. and Shriner, R. L.

Platinum and palladium oxides as catalysts in the reduction of organic compounds. IX. The reduction of olefines. *Ibid.* 47:4:1147-58. (4700)

see also Carothers, Wallace H.

(4) Books:

with Kamm, Oliver (Editor in Chief), Clarke, H. T., Conant, J. B., Marvel, C. S., and Whitmore, F. C.

Organic Synthesis. IV. John Wiley and Sons, N. Y. 1925.

Anderson, Arthur G.

(3) Articles:

The teaching of business. Amer. Ec. Rev. (Sup.) 15:1:76-78. (1000)

Planning the new building. Man. and Admin. 9:2:117-20. (3000)

Planning the construction program. *Ibid.* 8:6:595-98. (3000)

Most engineers become managers. Ia. Eng. 25:5:6-8. (2500)

Anderson, A. Marie

(3) Articles:

Art and home economics. U. of Ill. Bul. 22:17:142-46. (3550)

Anderson, H. W.

(3) Articles:

Apple and pear scab and apple blotch. Ill. Hort. Soc. Trans. 1924. 58:364-74.

Rhizopus rot of peaches. Phytopathology. 1925. 15:122-25.

Observations on fruit diseases in 1924. Ill. Hort. Soc. Trans. 58:243-59.

Some observations on bacterial shot hole of peach. *Ibid.* 1924. 58: 488-505.

Shot hole for bacterial spot of peach. Amer. Fruit Grow. Mag. 1925. 45:26, 29, 38.

Andrews, Edmund

(2) Original reviews:

Sections on abdominal surgery. Med. Ann., Bristol. John Wright and Sons. 1925. pp. 7, 31, 88, 185, 212, 214, 221, 319, 419, 424. (17,000)

ANDREWS, EDMUND

(3) Articles:

The closure of large femoral and inguinofemoral defects. Surg., Gyn. and Obstet. 39:745-59. (1500)

A method of herniotomy utilizing only white fascia. Ann. of Surg. 80:225-38. (2500)

Choice of operation for inguinal hernia. Med. J. and Rec. 120:57-67. (2000)

ASHTON, BESSIE L.

(3) Articles:

Trade of the United States with Latin America: some recent changes. I. School, Sci. and Math. 24:8:834-40. (3000). II. *Ibid.* 25:1: 49-52. (1650)

BABBITT, H. E.

(3) Articles:

Plans for plumbing research. Ill. Mast. Plumb. 3:12:85-87. (2500)

(4) Books:

Sewerage and sewage treatment. John Wiley and Sons, N. Y. 1925. 2d ed. 2 + 516 pp.

Hydraulics and pneumatics of house plumbing. U. of Ill. Eng. Exp. Sta. Bul. 143. 1924. 80 pp.

BABCOCK, KENDRIC C.

(1) Book notices:

Select British documents of the Canadian war of 1812, edited by Wm. Wood. vol. II.

A history of Minnesota by Wm. W. Folwell, vol. II. Amer. Hist. Rev. 30:3:623-25. (700)

BABER, RAY ERWIN

(4) Books:

with Ross, Edward Alsworth

Changes in the size of American families in one generation. University of Wisconsin, Madison, Wis. 1924. 100 pp.

BACHEM, ALBERT

(3) Articles:

Unfiltered and filtered X-ray dosage. J. of Rad. 5:5:155-56. (2000)

Unfiltered and filtered X-ray dosage. Rad. 3:4:335-40. (3500)

The therapeutic use of various qualities of Roentgen and radium rays. J. of Rad. 6:4:133-37. (4000)

(4) Books:

Principles of X-ray and radium dosage. Priv. pub. Chicago. 1923. 6+274 pp.

BAKER, FRANK COLLINS

(1) Book notices:

Studies of the biology of freshwater mussels. III. Distribution and movements of Winona Lake mussels by William R. Allen. Ecol. 5:220. 1924. (144)

Baker, Frank Collins

(1) Book notices (cont'd):

The mollusca collected by the University of Michigan—Williamson expedition in Venezuela by H. Burrington Baker. *Ibid.* 5:221. 1924. (100)

Biology and economic value of the sea mussel, Mytilus edulis, by Irving A. Field. *Ibid.* 5:306. 1924. (50)

Mollusca of the southwestern states. XI. From the Tucson range to Ajo, and mountain ranges between the San Ledro and Santa Cruz rivers, Arizona by H. A. Pilsbry and J. H. Ferriss. *Ibid.* 5:222. 1924. (90)

(2) Original reviews:

The small bottom and shore fauna of the middle and lower Illinois River and its connecting lakes, Chillicothe to Grafton: its valuation, its sources of food supply, and its relation to the fishery by Robert E. Richardson. *Ibid.* 5:410-18. 1924. (1200)

(3) Articles:

The use of molluscan shells by the Cahokia mound builders. Ill. State Acad. of Sci. 1924. 16:328-34. (2500)

The place of the museum in university instruction. Museum Work, 1924. 7:81-87. (2100). School Life, 1924. 10:33-35. (2100)

The fauna of the Lake Winnebago region. A quantitative and qualitative survey with special reference to the mollusca. Trans. Wis. Acad. of Sci., Arts, Letters. 21:109-46. (16,000)

Balduf, W. V.

(3) Articles:

with Flint, W. P.

Calcium cyanide for chinch bug control. U. of Ill. Agr. Exp. Sta. Bul. 249:73-84. (6000)

A plea for the study of insects in secondary schools. School, Sci. and Math. 24:845-48. (1250)

Baldwin, E. C.

(3) Articles:

Hebrew religious education. Sentinel. 54:13:31. (900)

Christian and Jew have not discordant faiths. Supplement. 6:64:13. (500)

Religion and the world's disease. Cincin. Enq. 81:336:11. (1000)

A suggested program of ethical education. B'nai B'rith News. 39:4:1-2. (1200)

"And on the left hand, hell." Mod. Lang. Notes. 40:4:251. (400)

Bauer, F. C.

see DeTurk, E. E., Smith, L. H., and Smith, R. S.

Bayley, W. S.

(1) Book notices:

Principles of stratigraphy by A. G. Grabau. Econ. Geol. 19:1:106. (75)

Bayley, W. S.

(4) Books:

Magnetic iron ores of east Tennessee and western North Carolina. N. C. Geol. and Econ. Sur. Bul. 32. 252 pp. Tenn. Dept. of Educa., Div. of Geol. Bul. 29. 252 pp.

Beal, George D.

(3) Articles:

with North, E. O.

The preparation, properties, and uses of silicoduodecitungstic acid. I. The preparation of the acid and its salts. J.A.Ph.A. 13:10:889-98. (4500)

with North, E. O.

The preparation, properties, and uses of silicoduodecitungstic acid. II. The use of the acid as a volumetric reagent for alkaloids. *Ibid.* 13:11:1001-9. (3500)

Beard, J. Howard

(3) Articles:

The opportunity of preventive medicine in institutions of higher learning. J.A.M.A. July, 1924. 83:251-56. (6000)

The relation of animal disease to public health. Nat. Health. 6:7: 469-72. (5000)

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BOOKS AND ARTICLES PUBLISHED BY THE CORPS OF INSTRUCTION OF THE UNIVERSITY OF ILLINOIS

May 1, 1925—April 30, 1926

The publications of the faculty of the University of Illinois during the past year ended April 30, 1926, are listed below under four heads, namely: (1) Book reviews which are of the character of book notices; (2) Book reviews which are essentially original articles or contributions to the discussion of the subject matter of the book or articles reviewed; (3) Articles; (4) Books.

Abel, Theodora M.

(3) Articles:

National differences and preferences in beliefs. J. of Comp. Psych. 6:1:21-41. (3500)

(4) Books:

with Mead, Elsie C.

Good manners for children. Dodd Mead and Co., N. Y. 1926. 151 pp.

Adams, L. A.

(2) Original reviews:

Correlations of the musculature and movements of the skull in Natrix with some suggestions of homology in the lacertilians. J. of Morph. and Physi. 41:1:159-81. (5500)

The significance of fossil footprints. Trans. Ill. Acad. Sci. 18:172-7. (1500)

Adams, Roger

(2) Original reviews:

The industrial applications of coal tar products, by W. M. Bunbury, and A. Davidson. Ind. and Eng. Chem. 18:435. (500)

Organic medicaments and their preparation, by E. Fourneau, translated by W. A. Silvester. J.A.C.S. 47:2258. (250)

Die praxis des organischen chemikers, by Gattermann and H. Wieland. *Ibid.* 47:2846. (150)

Jahrbuch der organischen chemie, by J. Schmidt. *Ibid.* 47:2846. (175)

(3) Articles:

with Butler, C. S., Jr.

Search in the diphenylmethane series for the isomerism characteristic of certain diphenyl derivatives. *Ibid.* 47:2610-20. (5000)

with Calvery, H. O., and Noller, C. R.

Arsonophenylcinchoninic acid (arsonocinchophen) and derivatives. II. *Ibid.* 47:3058-60. (1500)

with Heckel, H.

Platinum oxide as a catalyst in the reduction of organic compounds. X. Reduction of aminophenols to cyclic amino-alcohols. *Ibid.* 47: 1712-18. (2800)

with Jacobson, R. A.

Polyhydroxy and polyhydroxymethylanthraquinones. VI. Syntheses from opianic acid and phenols or cresols. *Ibid.* 47:2011-18. (3000)

with Shriner, R. L.

Adams, Roger

(3) Articles (continued)

Structure of chaulmoogric and hydnocarpic acids. I. *Ibid.* 47:2727-38. (5000)

with Tuley, W. F.

Reduction of cinnamic aldehyde to cinnamyl alcohol in the presence of platinum oxide, platinum black, and promoters. XI. *Ibid.* 47:3061-68. (3000)

with Hiers, G. S.

Über die reduktion der o-phenylen-essig-propionsaure und verschiedener aromatischer amine mit wasserstoff unter verwendung von platinoxyd-platinschwarz als katalysator. Ber. 59:162-70. (4000)

with Garvey, B. S.

Selective reduction of citral by means of platinum oxide, platinum black, and a promoter. XII. J.A.C.S. 48:477-82. (2500)

with Supniewski, G. V.

Organic bismuth compounds. I. Preparation of tricarboxy triphenyl bismuth dichlorides and certain nitrotriaryl bismuth compounds. *Ibid.* 48:507-17. (4500)

with Noller, C. R.

The preparation and use of aldehyde esters formed by ozonation of the methyl esters of various unsaturated acids. *Ibid.* 48:1074-80. (3000)

with Noller, C. R.

Synthesis of dihydrochaulmoogric and dihydrohydnocarpic acids. II. *Ibid.* 48:1080-9. (4000)

with Hiers, G. S.

The synthesis of homologs of dihydrochaulmoogric and dihydrohydnocarpic acids containing a cyclohexyl group in place of a cyclopentyl group. III. *Ibid.* 48:1089-93. (2500)

(4) Books:

with Marvel, C. S., (Editor in Chief), Clarke, H. T., Conant, J. B., Gilman, H., Kamm, O., and Whitmore, F. C.

Organic syntheses. V. John Wiley and Sons, N. Y. 1925. 1+110 pp.

Allen, Charles L.

(4) Books:

The uses of the marks of punctuation. Edited and published by Charles L. Allen, Minneapolis, Minn. 1925. 1+32 pp.

Illinois' greatest football game. Edited and published by Charles L. Allen, Urbana, Ill. 1925. 40 pp.

The coach's handbook of sports. Edited and published by Charles L. Allen, Urbana, Ill. 1926. 1+180 pp.

Anderson, A. G.

(3) Articles:

Good factory air pays in increased output. Man. and Admin. 9:5:439-42. (3000)

Shop ventilation as an investment. *Ibid.* 9:6:531-34. (3000)

Anderson, A. G.

(3) Articles (continued)

Solving a factory location problem. Ind. Man. 70:1:21-24. (4000). Bldgs. 64:2:487-90. (4000)

Industrial building design from the standpoint of management. West. Arch. 34:8:81. (2000)

Do branch plants pay? Man. and Admin. 10:4:187-90. (4000)

How good lighting benefits the shop. Man. in Mfg. 10:5:277-80. (4000)

Ways of obtaining the best lighting. *Ibid.* 10:6:345-8 (4000)

Anderson, C. S.

(3) Articles:

Trend in vocational agriculture. Ill. Agr. 30:6:172-88. (3000)

(4) Books:

with Hill, J. E., and Nolan, A. W.

Suggestive course outlines for vocational agriculture. Ill. Bd. for Voc. Educ., Springfield, Ill. 1926. 8+102 pp.

Anderson, H. W.

(3) Articles:

Overwintering of bacterium pruni. Phytopathology. 16:55-58.

Control of bacterial spot of peach with sodium silicofluoride. (Abs.) *Ibid.* 16:79-80. Trans. Ill. Hort. Soc. 59:266-72.

with Colby, A. S.

Diseases of brambles in Illinois and their control. U. of Ill. Agr. Exp. Sta. Circ. 305:1-20. (5100)

Experiments with fertilizers and cultivation for the control of bacterial spot of peach. Trans. Ill. Hort. Soc. 59:258-60.

The fruit disease situation in 1925. *Ibid.* 59:233-9.

Andrews, Edmund

(1) Book notices:

La sifilide ignorata e strana, by G. Martelli. Arch. of Int. Med. 36:3. (300)

Pathogenie des Calculs Biliares, by T. Rovsing. *Ibid.* 36:5. (300)

(3) Articles:

A simplified herniotomy. Surg. Clin. of N. Amer. 5:4. (1200)

The iliohypogastric nerve in relation to herniotomy. Ann. of Surg. Jan., 1926. (900)

Studies in water metabolism. I. Arch. of Int. Med. 37:1. (2400)

Studies in water metabolism. II. *Ibid.* 37:4. (800)

Water metabolism. J.A.M.A. 86:12:901. (300)

Appleton, John B.

(1) Book notices:

Europe—a geographical reader, by V. Clark. Hist. Outlook. 17:1:38. (360)

The geography of the mountains of eastern Kentucky, by D. H. Davis. J. of Geog. 25:2:80. (320)

Appleton, John B.

(3) Articles:

Geography in English secondary schools. Proc. H. S. Conf. 23:27:204-7. (2100)

The iron and steel industry of the Calumet district. Ann. of Assoc. Amer. Geog. 16:1:22. (230)

(4) Books:

with Mason, C. Y.

Principles of economic geography. Coll. Pub. Co., Champaign, Ill. 1926. 1+66 pp.

Babbitt, H. E.

(3) Articles:

with Dixon, A. G.

Plumbing tests at University of Illinois. Ill. Mast. Plumb. 11:3:15-7. (1500); 11:1. (1500); 10:9. (1500); 10.5. (1500)

Sanitation in our national parks. Ill. Eng. 1:3:1. (2500)

Bachem, Albert

(3) Articles:

The present status of the problem of X-ray dosage. Arch. of Phys. Therapy. 7:3:151-62. (5000)

with Fischer, W. R., and Groot, J. T.

The effect of X-ray on the pancreas. Amer. J. of Physi. 76:2:299-305. (3000)

Baker, Frank C.

(1) Book notices:

Land and freshwater molluscs of the Dutch Leeward Islands, by H. Burrington Baker. Ecol. 6:193. (235)

Conditions under which goniobasis livescens occurs in the island region of Lake Erie, by Frederick H. Krecker. *Ibid.* 6:320. (430)

The distribution and economic importance of the bottom fauna of Lake Nipigon with an appendix on the bottom fauna of Lake Ontario, by F. B. Adamstone. *Ibid.* 6:460. (520)

(2) Original reviews:

Changes in the small bottom fauna of Peoria Lake, 1920 and 1922. Illinois river bottom fauna in 1923. Two papers by R. E. Richardson. *Ibid.* 7:229-30. (910)

(3) Articles:

Museums and Nature. Natur. Guide to the Americas. 1926. p. 27-28. (600)

The effect of pollution on animal life. *Ibid.* p. 38-41. (1900)

New forms of Planorbis and Lymnaea with notes on other forms. Nautilus. 39:116-21. (1600)

Baker, Robert H.

(3) Articles:

Announcement of three new variable stars. Pop. Astron. 34:148. (400)

Report of the University of Illinois Observatory. *Ibid.* 34:39. (200)

Baker, Robert H.

(3) Articles (continued)

Variable stars of very small range. Pub. of Astron. Soc. of the Pac. 38:86-96. (3000)

A photoelectric study of *u* Herculis. Lick Observ. Bul. 12:124-36. (5000)

Balduf, W. V.

(3) Articles:

The striped cucumber beetle: its biology. Ohio. Agr. Exp. Sta. Bul. 388:241-308. (28,000)

Notes on the habits of Rhinoncus pyrrhopus Boh. Trans. Ill. State Acad. Sci. 18:178-83. (1900)

On the habits and development of a checkered beetle. Trans. Amer. Ent. Soc. 52:884:29-37. (4000)

The twelve spotted asparagus beetle. Insect Pest Surv. Bul. 6:2:40-42. (850)

The feeding of a common tiger beetle. Ent. News. 36:275-6. (500)

Baldwin, Edward C.

(3) Articles:

Paradise Lost and the Apocalypse of Moses. J. of Engl. and Germ. Philol. 24:3:383-6. (1600)

A layman's protest against a form of clerical illiteracy. Homiletic Rev. 89:5:362-4. (1800)

Baldwin, T. W.

(3) Articles:

On the chronology of Thomas Kyd's plays. Mod. Lang. Notes. 40. 6:343-9. (2600)

Nathaniel Field and Robert Wilson. *Ibid.* 41:1:32-34. (800)

Barrett, C. W.

see Lash, A. F.

Bartholomew, Harland

(3) Articles:

Decentralization a real answer to street congestion. Elec. Ry. J. 63-10. (5000)

Securing results in city planning. City Planning Procedure pub. by Amer. Civ. Assoc., Washington, D. C. Ser. 3:1. (2500)

Metropolitan traffic problems. Elec. Ry. J. 65:21. Amer. City. 33-1. (200)

Bassett, Charles F.

(3) Articles:

The Devonian strata of the Alto Pass Quadrangle. Trans. Ill. State Acad. of Sci. 18:360-9. (2100)

Bauer, E. E.

(2) Original reviews:

Discussion of field tests of concrete, by Walker and Slater. Proc. Amer. Soc. C. E. Sept., 1925. p. 1518-26. (4000)

Bauer, E. E.

(3) Articles:

Comparison of parabola and arc of circle for pavement crowns. Eng. News Rec. 95:7:273. (600)

(4) Books:

Plain concrete. Edward Bros., Ann Arbor, Mich. 1925. 117 pp.

Bauer, F. C.

(3) Articles:

with Smith, R. S., Smith, L. H., and De Turk, E. E.

Mercer county soils. U. of Ill. Agr. Exp. Sta. Soil Report. 29:1-64. (35,000)

with Smith, R. S., Smith, L. H., Norton, E. A., and DeTurk, E. E.

Johnson county soils. *Ibid.* 30:1-46. (25,000)

with Smith, R. S., Smith, L. H., Ellis, O. I., and DeTurk, E. E.

Rock Island county soils. *Ibid.* 31:1-66. (36,000)

with Smith, R. S., and Smith, L. H.

The Illinois soil experiment fields. U. of Ill. Agr. Exp. Sta. Bul. 273: 37-326. (130,000)

see also DeTurk, E. E.

Bayley, W. S.

(1) Book notices:

Weltmontanstatistik. I., by M. Meisner. Econ. Geol. 20:5:510. (125)

Useful aspects of geology, by S. J. Shand. *Ibid.* 20:5:510. (150)

(3) Articles:

The geographic effects of the proposed Great Lakes—St. Lawrence waterway. *Ibid.* 1:2:236-46. (4100)

(4) Books:

The kaolins of North Carolina. N. C. Geol. and Econ. Surv. Bul. 29. 132 pp.

Deposits of brown iron ores (brown hematite) in western North Carolina. *Ibid.* 31. 76 p.

Beal, George D.

(3) Articles:

with Katti, M. C. T.

Some observations on the quantitative determination of the anthraquinone derivatives in cathartic drugs. J.A.Ph.A. 14:865-73. (5000)

with Katti, M. C. T.

The oil of Pongamia glabra. *Ibid.* 14:1086-96. (4500)

Beard, J. Howard

(3) Articles:

Health problems shown by college medical examinations. Nation's Health. 7:12:815-7. (5000)

The prevalence of goitre in Illinois. Ill. Med. J. 48:4:306-10. (5000)

Every man's job. Hygeia. 4:6:329-32. (3500)

Benjamin, A. Cornelius

(1) Book notices:

Textbook of logic, by Cunningham. J. of Phil. 22:12:333-4. (500)

(3) Articles:

Classification and division. *Ibid.* 22:17:458-63. (3000)

To exist or not to exist. Monist. 36:2:326-39. (5000)

Bentley, Madison

(3) Articles:

Experimental psychology in the Orient. Amer. J. Psych. 37:1:154. (350)

The major categories of psychology. Psych. Rev. 33:2:71-105. (13,700)

with Weber, Oscar F.

The relation of instruction to the psychosomatic functions. U. of Ill. Studies. Psych. Mono. 35:163:1-15. (5000)

Qualitative resemblance among odors. *Ibid.* 35:163:144-51. (2500)

Berdahl, Clarence A.

(2) Original reviews:

The Supreme Court and sovereign states, by Charles Warren. Amer. Pol. Sci. Rev. 19:3:621-2. (750)

(3) Articles:

Recent publications of political interest. (Compilations.) *Ibid.* 19:2:432-64; 19:3:659-92; 19:4:868-89; 20:1:236-62. (50,000)

with Berquist, Fred

Proportional representation in Sweden. (Translation from original by Nils Herlitz.) *Ibid.* 19:3:582-92. (5000)

Bergeim, Olaf

(3) Articles:

Intestinal chemistry. III. Salivary digestion in the human stomach and intestines. Arch. of Int. Med. 37:110-17. (3500)

with Hawk, P. B., and Rehfuss, M. E.

The response of the normal human stomach to various standard foods, and a summary. Amer. J. Med. Sci. 171:359-69. (4000)

Berman, Edward

(2) Original reviews:

Organized labor and the law, by A. T. Mason. Amer. Econ. Rev. 16:1:128-30. (1200)

(3) Articles:

Paternalism and the wage earner. Amer. Fed. 32:5:355-61. (3100)

President Coolidge and the anthracite coal strike. Commonwealth Fortnightly. 2:5:2-3. (1000)

Bernbaum, Ernest

(3) Articles:

Richard Doddridge Blackmore and American cordiality. S. W. Rev. 11:1:46-58. (4500)

Reasonable and proper literary standards for a newspaper. Journ. Bul. 2:4:8-11. (1250)

Bevan, Arthur

(1) Book notices:

Introduction to physical geology, by W. J. Miller. J. of Geol. 33:658. (300)

A critical and experimental study of Drew's bacterial hypothesis on $CaCO_3$ precipitation in the sea, by C. B. Lipman. *Ibid.* 34:93-4. (330)

(3) Articles:

Rocky mountain peneplains northeast of Yellowstone Park. *Ibid.* 33: 563-87. (8500)

The high plateaus of the Beartooth Mountains. Picket-Journal (Red Lodge, Mont.) 17:22. (1600)

The glenwood beds as a horizon marker at the base of the Platteville formation. Ill. State Geol. Surv. Rpt. Invest. 9:13. (3200)

Transition beds between the St. Peter sandstone and the Platteville limestone in northern Illinois. Trans. Ill. State Acad. Sci. 18:376-7. (500)

Blanchard, W. O.

(3) Articles:

The Panama gateway as related to the intercontinental trade of South America. Trans. Ill. State Acad. of Sci. 18:335-50. (2250)

Geography of southwestern Wisconsin. Wis. Geol. and Natur. Hist. Surv. Bul. 65. 117 pp.

Blough, John H.

see Odell, C. W.

Borovsky, Maxwell P.

(3) Articles:

Convalescence from diseases of childhood. Ill. Med. J. 48:2:145-50.

Boyd, Anne M.

(2) Original reviews:

When experts disagree: Winnetka graded book list *vs.* children's reading, by Terman and Lima. Libraries. 31:4:178-82. (3000)

The Winnetka graded book list, by Carleton Washburne and Mabel Vogel. Ill. Lib. 8:2:5-6. (1050)

(3) Articles:

Pamphlet biographies and publisher's bulletins. *Ibid.* 7:3:39-42. (3000). Mass. Lib. Club Bul. 16:1:6-9. (3000)

What parents may expect from the library for their children. Ill. Lib. 7:2:15. (500)

(4) Books:

Exit Miss Lizzie Cox: a bibliotherapeutic tragedy. H. W. Wilson Co., N. Y. 1926. 2+27 pp.

Bradley, M. J.

(3) Articles:

Chemical engineering equipment for university laboratories. Ind. and Eng. Chem. 17:5:496-8. (1800)

Bradley, M. J.

(3) Articles (continued)

The composition and functions of slag. Fuels and Furn. 3:7:721-8. (2400)

with Rosecrans, C. Z., and Corbin, R. M.

Theoretical and recorded pressures in oxygen bomb determinations. Ind. and Eng. Chem. 18:3:307-9. (3300)

with Corbin, R. M., and Floyd, T. W.

The oxygen bomb method for sulfur determinations. *Ibid.* 18:6:583-5. (2800)

Brahana, H. R.

see Coble, A. B.

Brannan, J. M.

see Ruehe, H. A.

Brooks, N. C.

(2) Original reviews:

A historical and bibliographical survey of the German religious drama, by Maximilian J. Rudwin. Mod. Lang. Notes. 41:2:137-8 (500)

(3) Articles:

Eine liturgisch-dramatische Himmelfahrtsfeier. Zeitschrift für deutsches Altertum. 62:91-96. (2000)

Brothers, Elmer D.

(4) Books:

Medical Jurisprudence. C. V. Mosby Co., St. Louis, Mo. 1925. 2+ 296 pp.

Brown, Hugh A.

(3) Articles:

with Keener, C. A.

Radio telephone modulation. U. of Ill. Eng. Exp. Sta. Bul. 148:5-47. (15,000)

That radio receiving set. Alumni News. Apr., 1926. p. 2-3. (3000)

Brown, L. T.

(3) Articles:

with Tuttle, W. W.

The phenomenon of treppe in intact human skeletal muscle. Amer. J. Physi. 74:1:76-82. (2500)

Bullock, D. M.

see Lipe, C. C.

Bundy, Murray W.

(1) Book notices:

Ancient rhetoric and poetic, by Charles Sears Baldwin. J. of Engl. and Germ. Philol. 24:3:439-42. (1200)

Burlison, W. L.

(3) Articles:

Illinois. Book of Rural Life. 5:2785-2800. (7000)

see also Dungan, G. H.

Cahn, Alvin R.

(3) Articles:

The migration of animals. Amer. Natur. 59:539-56. (8000)

White Bass. Outdoor Amer. Dec., 1925. 24 pp. (3000)

A new Wisconsin state park. Sci. 62:1616:559. (300)

A set of albino frog eggs. Copeia. 151:107-9. (600)

with Shumway, Waldo

Color variations in larvae of necturus maculosus. *Ibid.* 151:106-7. (400)

Texas. Natur. Guide to the Americas. 1926. p. 502-15. (11,000)

Callen, A. C.

(1) Book notices:

Employes' representation in coal mines, by Ben M. Selekman and Mary van Kleeck. Coal Mine Man. 4:6:31. (600)

Handbook of standard and approved American coal mining methods, practice and equipment. *Ibid.* 4:8:34. (250)

What the coal commission found, by E. E. Hunt, F. G. Tryon, and J. H. Willits. *Ibid.* 4:9:33-4. (600)

The regularization of employment, by H. Feldman. *Ibid.* 4:10:34. (400)

Mechanical loading in coal mines, by F. E. Cash, and E. H. Johnson. *Ibid.* 4:11:33-4. (300)

The case of bituminous coal, by W. H. Hamilton, and Helen R. Wright. *Ibid.* 5:1:64-6. (700)

The miner's freedom, by Carter Goodrich. *Ibid.* 5:3:36. (500)

(3) Articles:

Discussion of theory of mine ventilation: report of the sub-committee on physics of mine ventilation. Trans. Amer. Inst. of Min. and Met. Eng. Pamphlet 1564-A. Feb., 1926. (8500)

Cameron, E. H.

(3) Articles:

The emotional life of the child. Welfare. 17:1:190-4. (1200)

Some misconceptions of vocational guidance. U. of Ill. Bul. 23:27: 275-8. (3000)

Camp, Chester C.

(3) Articles:

Minimizing the arithmetic in solutions by successive approximations. Amer. Math. Mo. 33:1:34-6. (775)

Carlton, Frank T.

(3) Articles:

The machine and management. Sci. Mo. 22:3252-7. (3000)

Unionism: the third phase. Survey. 56:2:99-100. (1500)

Is personnel management a fad? Enterpriser. 6:2:13, 16, 25. (1500)

Carmichael, R. D.

(1) Book notices:

Hydrodynamics, by Lamb. (5th ed.) Bul. Amer. Math. Soc. 31:460-1. (600)

Gesammelte abhandlungen, by Lie. *Ibid.* 31:559-60. (700)

Oeuvres, by Halphen. IV. *Ibid.* 31:562-3. (700)

Relativity, by Eddington. (2nd. ed.) *Ibid.* 31:563. (100)

(2) Original reviews:

Vorlesungen über differenzenrechnung, by Nörlund. *Ibid.* 31:445-9. (2500)

(3) Articles:

Meaning in the case of mathematical postulates. Monist. 35:392-404. (10,000)

Freedom in a rational universe. Personalist. 7:120-7. (2500)

La Bezono di Mento Internaciona. Mondo-Biblioteko. 6:7-11. (2500)

Postulate systems in science. Men of Today and Their Works. 2:38-40. (2000)

Carothers, W. H.

(3) Articles:

with Jones, G. A.

The preparation of some primary amines by the catalytic reduction of nitriles. J.A.C.S. 47:12:3051-7. (3000)

Cary, Eugene

(3) Articles:

Etiology of pre-eclamaptic toxaemia from a clinical aspect. Surg., Gyn., and Obstet. 41:194-201.

Case, H. C. M.

(2) Original reviews:

The management of the farm, by L. A. Moorhouse. J. of Farm. Econ. 8:2:275-6. (600)

Christopher, Frederick

(2) Original reviews:

Appendicitis in children under five years. Amer. J. of Dis. of Children. Apr., 1926. (12,000)

(3) Articles:

Superficial tumors of vascular origin. Surg. Clin. of N. Amer. Aug., 1925. (2500)

Epidermoid cyst with pressure atrophy of the adjacent bone. Minn. Med. (200)

Clark, A. H.

(3) Articles:

The alkaloids of Ceanothus Americanus. Amer. J. Ph. 98:3:147-56. (3500)

The assay of salicylates and benzoates. J.A.Ph.A. 15:1:6-11. (2500)

Clark, Thomas Arkle

(3) Articles:

Are our young people different? Country Gent. May 23, 1925. (3000)

On being a gentleman. Country Life in Amer. Aug. 1, 1925. (3000)

Getting on in College. Youth's Companion. Sept. 10, 1925. (3000)

Doing things better than other people. Ry. Rev. 3:12. Dec. 3, 1925. (500)

The campus car. College Humor. Jan., 1926. (2500)

There are chances a plenty. Ry. Rev. Jan., 1926. (600)

The new fraternity. Logos of Alpha Kappa Lambda. Feb., 1926. (1500)

The teaching of letter writing. Coop. School Bul. Mar., 1926. (3500)

The strenuous college life. Quill and Scroll. Apr., 1926. (3000)

Credit and Character. Credit Craft. Apr., 1926. (2000)

Student life and problems. Proc. of Semi-Cent. of Vanderbilt Univ. 126-46. (6500)

The freshman girl. If I were Adviser to Girls. (D. C. Heath and Co.) Chap. 8:110-25. (4500)

Along life's trail. West. Newspaper Union. (312 short essays) (500)

Clement, J. A.

(1) Book notices:

The senior high school curriculum, by George S. Counts. School Rev. 34:6:470-2. (1500)

Supplementary educational monographs. No. 29. Feb., 1926.

(4) Books:

Principles and practices of secondary education. The Century Co., N. Y. 1925. 3+503 pp.

Coble, A. B.

(3) Articles:

with Brahana, H. R.

Maps of 12 countries with 5 sides with a group of order 120 containing an Ikosahedral subgroup. Amer. J. of Math. 48:1:1-20. (10,000)

Colby, A. S.

(3) Articles:

What small fruit varieties shall we grow? Trans. Ill. State Hort. Soc. 59:185-203. (3800)

Notes on nut bearing trees of Illinois. Trans. Ill. State Acad. Sci. 18:138-49. (3000)

Growing nuts in Illinois for pleasure and profit. Ill. Agr. 30:4:103, 124-8. (3700)

Additional notes on pruning and training grapes. Proc. Amer. Soc. Hort. Sci. 1925. 415-20. (900)

An anthracnose resistant blackberry of promise. Amer. Fruit Grow. Mag. 46:3:50. (225)

with Anderson, H. W.

Diseases of brambles in Illinois and their control. U. of Ill. Agr. Exp. Sta. Circ. 305:1-20. (5100)

Converse, Paul D.

(3) Articles:

Our dependence upon commerce for our daily food. Amer. Food J. 20:8:371-3. (3500)

Installment selling. Bus. Forecast. Nov., 1925. (750)

The formulation of business policies. (Published as pamphlet) Gen. Bus. Advice Series by Kardex Instit. July 24, 1925.

Why do merchants fail? *Ibid.* Nov. 27, 1925.

Cox, Gerald J.

(3) Articles:

with Rose, W. C.

Further experiments on the alleged interchangeability of arginine and histidine in metabolism. J. Biol. Chem. 68:1:217-23. (2000)

with Rose, W. C.

Can other imidazoles replace histidine in the diet for purposes of growth? Proc. Amer. Soc. Biol. Chem.; *Ibid.* 67:2:iii. (200)

Crathorne, A. R.

(1) Book notices:

An elementary treatise on frequency curves, by Arne Fisher. Bul. Amer. Math. Soc. 31:5:275-6. (750)

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